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02-8606-01-PA

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BUREAU OF HAZARDOUS SITE CONTROPOTENTIAL HAZARDOUS WASTE SITE

DIVISION OF SCHOOL AND PRELIMINARY ASSESSMENT

HAZARDOUS WASTE

(Some of Salina Landfill

Old Salina Landfill

Site Name

Route 11 and Wolf St.

Town of Salina,

Onandaga County, New York

Address

02-8606-01

TDD Number

SITE DESCRIPTION

Old Salina Landfill is an inactive municipal sanitary landfill located in the Town of Salina, Onondaga County, New York. The landfill encompasses approximately 20-30 acres of land. It is unknown when the landfill began operations, but, in 1972 the landfill closed. The landfill borders the New York State Thruway to the north and Ley Creek to the south. During the landfill's operation, the Town of Salina received several violation notices for non-compliance with the state regulations. It is suspected that the landfill received PCB contaminated waste at sometime in the past.

PRIORITY FOR FURTHER ACTION: High X Medium Low None RECOMMENDATIONS

A site inspection and HRS scoring model has been prepared concurrently with the preliminary assessment.

Prepared by: Salvador A. Riggi, Jr. Date: 8/4/86 of NUS Corporation

7047

POTENTIAL HAZARDOUS MASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE LOCATION AND INSPECTION INFORMATION

1. IDENTIFICATION OI STATE O2 SITE NUMBER NY New Site

				***		100
II. SITE NAME AND LOCATION 01 SITE NAME (Legal, common, or descriptive name of site)	O2 STREET,	ROUTE NO., O	R SPECIFIC	LOCATION ID	ENTIFIER	
Old Salina Landfill O3 CITY		d Wolf Stree 05 ZIP CODE		O7 COUNTY	O8 CONG	DIST.
Town of Salina 09 COORDINATES	NY	13088	Onandaga	CODE		
LATITUDE LONGITUDE						
4 3º 05' 22".N 0 7 6º 0 8' 5 3".V		•				
IO DIRECTIONS TO SITE (Starting from nearest public road)	-	·				
Route 11 south past N.Y. State Thruway to Wolf Street. Righ	nt on Wolf St	reet to the	landfill.			
III. RESPONSIBLE PARTIES		· · · · · · · · · · · · · · · · · · ·				
01 OWNER (if known)	02 STREET (Business, ma	iling, resi	dential)		
Town of Salina 03 CITY	201 School 04 STATE	Road O5 ZIP CO	DE	O6 TELEP	ONE NUMBE	ER
Liverpool O7 OPERATOR (if known and different from owner)	NY 08 STREET. (13088 Business, ma	iling, resi	dential)		
09 CITY	10 STATE	11 ZIP COI	DE	12 TELEPI	IONE NUMBE	ER
13 TYPE OF OWNERSHIP (Check one) A. PRIVATE B. FEDERAL:	C. STA	TF N	. COUNTY		MUNICIO	
F. OTHER: (Agency name) (Specify)	6. UNK		. COUNTY	<u>. </u>	. MUNICIPA	uL .
14. OWNER/OPERATOR NOTIFICATION ON FILE (Check all that appl						
		nte aute /aa-				
A. RCRA 3001 DATE RECEIVED:// B. UNC X C. NONE	UNIKULLED WAS	21F 211F (CE)	(CLA 103 c)	DATE RECEIV	/ED:/_	
_						
IV. CHARACTERIZATION OF POTENTIAL HAZARD DI ON SITE INSPECTION BY (Check all that app	ly)					
<u>X</u> YES DATE: <u>7 / 1 / 86</u> A. EPA <u>X</u> B. EPA	•	C. STATE	. n.	OTHER CONTI	PACTOR	
NO E. LOCAL HEALTH OFF		F. OTHE		THE COM	4101011	
CONTRACTOR NAME(S): NUS Corporation				cify)		
D2 SITE STATUS (Check one)	O2 VEADS OF	ODENATION		· · · · · · · · · · · · · · · · · · ·	······	
	03 YEARS OF	•				
A. ACTIVE X B. INACTIVE C. UNKNOWN O4 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLI	Unknowi BEGINNING EGED		IG		INKNOWN	·
funicipal solid waste, PCB's						
DS DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPU	JLATION					
Octential contamination of groundwater and surface water from						
V. PRIORITY ASSESSMENT DI PRIORITY FOR INSPECTION (Check one. If high or medium is Description of Hazardous Conditions and Incidents)	checked, con	mplete Part 2	- Waste in	formation a	ind Part 3	-
X A. HIGH (Inspection required promptly) (Inspection required promptly)	red) (Inspect	C. LOW	available t	oasis)	D.	NONE
V. INFORMATION AVAILABLE FROM 1 CONTACT 02 OF (Agency/Organization)	55	1 Photos:				
or or (righting) or gainizate	ion) U3 lE	LEPHONE NO.				
u.S. EPA - Region II		(201) 321-	6685			
4 PERSON RESPONSIBLE TITE INSPECTION FORM	O5 AGENCY	06 ORGANIZAT	ION 07 TE	LEPHONE NO.	08 DATE	
alvador A. Riggi, Jr.	FIT II	NUS Corporat	ion (201)	225-6160	08 /04	
PA FORM 2070-13 (7-81)					YAC HTMOM	YEAR

POTENTIAL HAZARDOUS WASTE STIE PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION

1. IUENTIFICATION
OI STATE O2 SITE NUMBER
NY New Site

	and the second s	salawa da sa sasar sa sa kabupatèn sa			
II. WASTE STATES, Q	UANTITIES, AND CHARACTER	ISTICS			
01 PHYSICAL STATES	(Check all that apply) (2 WASTE QUANTITY AT SIT	E 03 WASTE CHARACTE	RISTICS (Check all th	nat apply)
	ES _ E. SLURRY F. LIQUID G. GAS	(Measures of waste quantities must be independent) TONS Unknown CUBIC YARDS NO. OF DRUMS	B. CORROSIVE F C. RADIOACTIVE G	. INFECTIOUS _ J. E) B. FLAMMABLE _ K. RE B. IGNITABLE _ L. IN	GHLY VOLATILE (PLOSIVE FACTIVE (COMPATIBLE (T) APPLICABLE
CATEGORY	CUDCTANCE NAME	A1 COACC AMOUNT OA	LINET OF MELOUSE		
CATEGORT	SUBSTANCE NAME	O1 GROSS AMOUNT 02	UNIT OF MEASURE	03 COMMENTS	
SLU	SLUDGE			Waste type present	s unknown. It
OLW	OILY WASTE		•	is suspect that PC8	laden waste
SOL	SOLVENTS			may have been dispos	ed of at the
PSD	PESTICIDES			site. Facility was	a municipal
осс	OTHER ORGANIC CHEMICALS			sanitary landfill.	
IOC	INORGANIC CHEMICALS				
ACD	ACIDS				
BAS	BASES				
MES	HEAVY METALS				
IV. HAZARDOUS SUBSTA	ANCES (See Appendix for m	ost frequently cited CA	S Numbers)		
CATEGORY	02 SUBSTANCE NAME		TORAGE/DISPOSAL METHOD	O5 CONCENTRATION	O6 MEASURE OF CONCENTRATION

Unknown. Landfill was operated as a municipal sanitary landfill.

V. FEEDSTOCKS	(See Appendix for CAS Numbers)				
CATEGORY	O1 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FD\$			FDS		
VI. SOURCES OF	INFORMATION (See specific referen	nces. e.g., state fil	es, sample analy	ysis, reports)	
					

Site Inspection 7/1/86 Log Book #1661 Background Information, NUS File, NUS Corporation, Edison, New Jersey USGS Topographic Quadrangle Map - West Syracuse Quad.

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS 1. IDENTIFICATION O1 STATE 02 SITE NUMBE. NY New Site

and the state of the

TOOLEGE OF THE THE WINDS OF STATES OF THE ST

II. HAZARDOUS CONDITIONS AND INCIDENTS				
01 X A. GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: 0	O2 OBSERVED (DATE: O4 NARRATIVE DESCRIPTION		X POTENTIAL	_ ALLEGED
Leachate from the landfill could potentially mig above the deeper sand and gravel aquifer (Tully Groundwater is not used as a source of drinking	aquifer) may prevent migration of lea	er. Pre achate i	sence of lacustrin n to the deeper Tu	e sediment laye lly aquifer.
O1. B. SURFACE WATER CONTAMINATION O3 POPULATION POTENTIALLY AFFECTED:	02 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION)	_ POTENTIAL	_ ALLEGED
No potential exists. Entire population within 3 from the site and well outside the 3 mile radius	B mile radius uses Lake Otisco and Lak From the site.	ce Ontar	oio. Both sources	are upgradient
01 C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED:	02 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION)	_ POTENTIAL	_ ALLEGED
No potential exists. During the site inspection the OVA and \ensuremath{HNu} .	n, conducted on 7/1/86, no readings al	bove bac	kground levels wer	e detected with
O1. X D. FIRE/EXPLOSIVE CONDITIONS O3 POPULATION POTENTIALLY AFFECTED:	O2 OBSERVED (DATE: O4 NARRATIVE DESCRIPTION)	X POTENTIAL	_ ALLEGED
Potential for fire/explosive conditions exist. gas could accumulate, as the waste decomposes.	The landfill was a municipal sanitar	y landfi	ill and it is possi	ble that methar
01. X E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED: 97,442	02 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION)	X POTENTIAL	_ ALLEGED
A leachate drainage ditch is present on-site. A may be used for recreational purposes as fish lisite. Only a road gate restricts vechical entra	fe was observed. Also the landfill	igrating can be a	g into the Ley Cree accessed from any a	k. Ley Creek rea around the
01 X F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: (ACRES)	02 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION)	X POTENTIAL	_ ALLEGED
Leachate from the landfill could potentially mig throughout the area is the Carlisle Muck of the would allow contaminants to migrate.	rate onto the soil and leach downwar Carlisle Series which is relatively	d result permeabl	ting in soil contam le to low permeabil	ination. Soil ity. The soil
O1. G. DRINKING WATER CONTAMINATION O3 POPULATION POTENTIALLY AFFECTED:	02 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION)	_ POTENTIAL	_ ALLEGED
No potential exists since drinking water supply	is upgradient and well outside the 3	mile ra	adius from the site	: .
01 H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED: No potential exists. The site is presently inac	02 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION)	_ POTENTIAL	_ ALLEGED
01 X I. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED:	02 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION)	X POTENTIAL	_ ALLEGED
Potential exists if the population was to come i contaminated water of Ley Creek.	nto contact through trespassing on-s	ite or	through contact wil	ch potentially

EPA FORM 2070-13 (7-81)

PRELIMINARY ASSESSMENT PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

	PART 3 - DESC	PRELIMINARY ASSESSMENT RIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS	OI STATE O2 SITE NUMBER NY New Site
	II. HAZARDOUS CONDITIONS AND INCIDENTS (Continue O1 X J. DAMAGE TO FLORA O4 NARRATIVE DESCRIPTION	ed) 02 _ OBSERVED (DATE:)	X POTENTIAL _ ALLEGED
2.	Leachate orginating from the landfill could pote inspection on 7/1/86 the flora did not appear d	entially damage the flora in the surrounding area. istressed.	. However, during site
	Ol X K. DAMAGE TO FAUNA O4 NARRATIVE DESCRIPTION (Include name(s) of spe	ecies)	
	Fauna coming into contact with leachate could po could be come damaged. Leachate entering Ley Co	otentially be harmed. If the flora is contaminate reek could also damage any stream life present.	ed, fauna feeding of flora
	01 X L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION	O2 _ OBSERVED (DATE:	_) <u>x</u> potential _ alleged
	If the flora and/or fauna are contaminated then	the food chain would be potentially threatened.	
	01 X M. UNSTABLE CONTAINMENT OF WASTES (Spills/runoff/standing liquids/leaking drum: 03 POPULATION POTENTIALLY AFFECTED: 97,442		_) _ POTENTIAL _ ALLEGED
	Leachate was observed migrating into Ley Creek	and into onsite drainage ditch.	•
	01 X N. DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION	02 _ OBSERVED (DATE:	_) X POTENTIAL _ ALLEGED
	If leachate migrates off-site, then potential e migrate downstream and potentially damage downs	xists for damage to off-site property. Also leac tream property.	hate entering Ley Creek could
	01 X O. CONTAMINATION OF SEWERS, STORM DRAINS, 04 NARRATIVE DESCRIPTION	WWTPs 02 _ OBSERVED (DATE:	_) <u>X</u> POTENTIALALLEGED
	No adequate diversion structures were present o sewers and drains.	n-site, therefore runoff from landfill could pote	entially contaminate nearby
	01 X P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	O2 _ OBSERVED (DATE:	_) <u>x</u> potential _ alleged
	No evidence or recorded incident is present but	the potential does exist since the site is not f	fully enclosed.
	O5 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, O	R ALLEGED HAZARDS	
	None.		
	III. TOTAL POPULATION POTENTIALLY AFFECTED:	97,442	
	IV. COMMENTS		
	The town of Salina has received several violati for poor operation and non-complaince with stat	on notices during the operation of the landfill. e DEC regulations.	The violations were mostly
	V. SOURCES OF INFORMATION (Cite specific ref	erences. e.g., state files, sample analysis, repo	orts)
	Site Inspection on 7/1/86 Log Book #1661 Geographical Exposure Modeling System, US EPA Telecon #NYT1-01: Conversation with Mr. W. Sty	vles - 9/4/96	
	Telecon #NYT1-01: Conversation with Mr. W. Sty Telecon #NYT1-02: Conversation with Mr. P. Dev Telecon #NYT1-02: Conversation with Mr. J. Kra	/oldre - 8/4/86	
	Background Information, NUS Files, NUS Corporat Soil Survey, Onondaga County, New York 1977		



RARITAN PLAZA III KING GEORGE ROAD EDISON, NEW JERSEY 08837 (201) 225-6160

C-584-12-86-34

December 17, 1986

Ms. Diana Messina U.S Environmental Protection Agency Region II Edison, New Jersey 08817

Dear Diana:

Enclosed are the Site Inspection Report (EPA Form 2070-13) and the MITRE Hazard Ranking System (HRS) documents for Old Salina Landfill, Town of Salina, Onondaga County, New York. The site inspection originally authorized under TDD #02-8606-01 and contract #68-01-6699, was completed under TDD# 02-8611-19 and contract #68-01-7346.

Very truly yours,

Richard J. Pagano

Reviewed and Approved:

RJP/ci

Enclosures

Contents

Section	
1	Site Inspection Report Executive Summary
2	Environmental Protection Agency Form 2070-13
3	Maps and Photographs
4	Documentation Records for Hazard Ranking System
5	Hazard Ranking System Scoring Forms
6	Bibliography of Information Sources
7	Press Release Summary - MITRE Hazard Ranking System
8	Attachments - Cited Documents

SECTION 1

SITE INSPECTION REPORT EXECUTIVE SUMMARY



02-8611-19-SI

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT EXECUTIVE SUMMARY

NYA 98156 0401

Old Salina Landfill

Site Name

New Site

EPA Site ID Number

Route 11 and Wolf St. Town of Salina,

Onondaga County, New York

Address

02-8611-19

TDD Number

SITE DESCRIPTION

Old Salina Landfill is a former municipal sanitary landfill located in the Town of Salina, Onondaga County, New York. The landfill encompasses approximately 120 acres of land and is bordered by the New York State Thruway to the north and Ley Creek to the south. There are well over 5 acres of wetlands where the landfill borders Ley Creek.

EPA's report on the General Motors Corporation, Fisher Guide IV plant, Docket No. II TSCA-PCB-84-0202, documents that PCB laden wastes were landfilled at the site prior to 1973. During the years of operation at the landfill, the Town of Salina received several violation notices for non-compliance with the state regulations.

On July 1, 1986, NUS Corporation conducted a site inspection. Five (5) soil samples were collected at various locations on the landfill. Two surface water and sediment samples were collected from Ley Creek; they were collected upstream and downstream from the landfill. A third surface water and sediment sample was collected in an on-site drainage ditch.

The analysis for semi-volatile compounds showed significant concentrations of many polyaromatic hydrocarbons and other semi-volatile compounds. Pyrene, fluoranthene and phenanthrene were detected at concentrations above 20 ppm, while dibenzofuran was found in a concentration of 2300 ppb. Lesser concentrations of pesticide and volatile compounds were detected.

HAZARD RANKING SCORE: $S_M = 11.77 (S_{gw} = 0, S_{sw} = 20.36, S_a = 0)$ $S_{FE} = 0 S_{DC} = 62.50$

Prepared by: Richard Pagano of NUS Corporation

Date: 12/27/86

SECTION 2

ENVIRONMENTAL PROTECTION AGENCY FORM 2070-13

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT I. TOEN IF CATEN OF STATE OF SITE NUMBER PART 1 - SITE LOCATION AND INSPECTION INFORMATION NY New Site 981560407 . SITE NAME AND LOCATION SITE NAME (Legal, common, or descriptive name of site) 02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER Route 11 and Wolf Street 04 STATE 05 ZIP CODE 06 COUNTY 07 COUNTY 08 CONG DIST. CODE NY 13088 Onondaga 10 TYPE OF OWNERSHIP (Check one) 067 NY33

_ B. FEDERAL

X E. MUNICIPAL

_ C. STATE _ F. OTHER_

16 TELEPHONE NO.

(315) 457-2779

_ A. PRIVATE

D. COUNTY
G. UNKROWN

DATE OF INSPECTION 02 SITE A 07 / 01 / 86	STATUS 03 YEARS OF CTIVE NACTIVE	OPERATION Unknown / 1973 BEGINNING YEAR ENDING	_ UNKNOWN YEAR
ENCY PERFORMING INSPECTION (Che A. EPA X B. EPA CONTRACTOR _ E. STATE _ F. STATE CONTRACTOR	NUS Corporation (Name of firm)	G. OTHER	IPAL CONTRACTOR (Name of firm) Specify)
CHIEF INSPECTOR	OS TITLE	07 ORGANIZATION	OR TELEPHONE NO.
lvador A. Riggi, Jr. OTHER INSPECTORS	Hydrogeologist 10 TITLE	NUS Corporation 11 ORGANIZATION	(201) 225-6160 12 TELEPHONE NO.
ry Bielen	Environmental Scientist	NUS Corporation	(201) 225-6160
te Morton	Geologist	NUS Corporation	(201) 225-6160
urie Gneiding	Toxicologist	NUS Corporation	(201) 225-6160
nnis Sutton	Geologist	NUS Corporation	(201) 225-6160

15 ADDRESS

201 School Road

Liverpool, NY 13038

LONGITUDE

d Salina Landfill CITY

I. INSPECTION INFORMATION

LATITUDE

SITE REPRESENTATIVES INTERVIEWED 14 TITLE

Town Supervisor

4 30 0 5' 2 2". N 0 7 60 0 8' 5 3". W

wn of Salina COORDINATES

rol Boehlet

ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER	CONDITIONS		
X PERMISSION WARRANT	0900 hour	Sunny appro	ox. 75 ⁰ F		
INFORMATION AVAILAB					
CONTACT	02 OF (Agency/Or	rganization)	03 TELEPHONE N) .	
una Messina .	U.S. EPA - Regio	on II	(201) 321-6685		
PERSON RESPONSIBLE F	OR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	O8 DATE
hard Pagano		FIT II	NUS Corporation	(201) 225-6160	12 /17 / 86 MONTH DAY YEA

POTENTIAL HAZARDOUS WASTE SITE TOENTIFICATION SITE INSPECTION REPORT OI STATE OZ SITE NUMBER PART 2 - WASTE INFORMATION New Site WASTE STATES, QUANTITIES, AND CHARACTERISTICS
PHYSICAL STATES (Check all that apply) 02 WASTE QUANTITY AT SITE O3 WASTE CHARACTERISTICS (Check all that apply) X I. HIGHLY VOLATILE
J. EXPLOSIVE
K. REACTIVE
L. INCOMPATIBLE
X M. NOT APPLICABLE $\begin{array}{c} \underline{X} \text{ A. TOXIC} & \underline{X} \text{ E. SOLUBLE} \\ -\text{ B. CORROSIVE} & -\text{ F. INFECTIOUS} \\ -\text{ C. RADIOACTIVE} & -\text{ G. FLAMMABLE} \\ \underline{X} \text{ D. PERSISTENT} & \underline{X} \text{ H. IGNITABLE} \end{array}$ A. SOLID E. SLURRY B. POWDER, FINES $\overline{\underline{\mathsf{X}}}$ F. LIQUID (A. SOLID (Measures of waste quantities must be ₹ C. SLUDGE G. GAS independent) D. OTHER _ TONS 37,000 (Specify) CUBIC YARDS NO. OF DRUMS WASTE TYPE CATEGORY SUBSTANCE NAME OI GROSS AMOUNT 02 UNIT OF MEASURE 03 COMMENTS SLU SLUDGE 37,000 Tons Paint and buffing sludge OLW OILY WASTE Unknown PCB contaminated hydraulic oil SOL SOLVENTS PSD PESTICIDES OTHER ORGANIC CHEMICALS occ IOC INORGANIC CHEMICALS ACIDS ACD BAS BASES **HEAVY METALS** MES

CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	O6 MEASURE OF CONCENTRATION
000	Naphthalene	91-20-3	Unknown	870	ug/kg
occ -	Methylnapthalene	91-57-6	Unknown	790	ug/kg
OCC	Acenaphthylene	208-96-8	Unknown	3,500	ug/kg
occ	Acenaphthene	33-32-9	Unknown	3,600	ug/kg
000	Phenanthrene	35-01 - 3	Unknown	24,000	ug/kg
000	Anthracene	120-12-7	Unknown	7,900	ug/kg
occ	Fluoranthene	206-44-0	Unknown	25,000	ug/kg
000	Pyrene	129-00-0	Unknown	24,000	. ug/kg
occ	Benzo (a) Anthracene	56-55-3	Unknown	13,000	ug/kg
occ	Bis (2-Ethylhexyl) Phthalate	117-31-7	Unknown	4,000	ug/kg
occ	Chrysene	213-01-9	Unknown	12,000	ug/kg
000	Benzo (b) Fluoranthene	205-99-2	Unknown	12,000	ug/kg
000	Benzo (k) Fluoranthene	207-08-9	Unknown	11,000	ug/kg
000	Benzo (a) Pyrene	50-32-8	Unknown	11,000	ug/kg
000	Indeno (1,2,3-cd) Pyrene	193-39-5	Unknown	4,800	ug/kg
000	Dioenzo (g,h) Anthracene	53-70-3	Unknown	1,200	ug/kg
000	Benzo (q,h,i) Perylene	191-24-2	Unknown	4,400	ug/kg
000	4-Chloroaniline	106-47-8	Unknown	640	ug/kg
000	Dibenzofuran	132-64-9	Unknown	2,300	ug/kg
000	Fluorene	86-73-7	Unknown	4,300	ug/kg
MES	Mercury	7439-97-6	Unknown	1.4	mg/kg
MES	Cadmium	7440-43-9	Unknown	11.3	mg/kg
MES	Copper	1317-38-0	Unknown	153	mg/kg
MES.	Beryllium	7440-41-7	Unknown	0.33	mg/kg

SEE ATTACHMENT A

FEEDSTOCKS (Se	e Appendix for CAS Numbers)		·		
CATEGORY	01 FEEDSTOCK NAME	02_CAS_NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	None, the site is a land	ifill.	FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

SOURCES OF INFORMATION (See specific references. e.g., state files, sample analysis, reports)

FORM 2070-13 (7-81)

EPA Contract Laboratory Program Sample Management Office. Analytical results of sample collected 7/1/86 by NUS poration FIT II, Case #6263
 I.D. #302239440 1985 Report on Fisher Guide IV, GMC, Syracuse, New York

. HAZARDOUS	SUBSTANCES (See Appendix for	most frequently c	ited CAS Numbers)		
CATEGORY	02 SUBSTANCE NAME	O3 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	O5 CONCENTRATION	O6 MEASURE OF CONCENTRATION
MES	Iron	13463-40-6	Unknown	4,442	ug/l
MES	Manganese	7439-96-5	Unknown	231	ug/1
MES	Potassium	7440-09-7	Unknown	3748J	mg/kg
MES	Silver	7440-22-4	Unknown	5.2J	mg/kg
MES	Sodium	7440-23-5	Unknown	255,700	ug/1
MES	Vanadium	7440-62-2	Unknown	16.2J	mg/kg
5.4	Frichloroethene	79-01-6	Unknown	4.1J	ug/1
000	Trans-1,2-Dichloroethene	156-60-5	Unknown	4.6	ug/kg
SOL	Toluene	108-98-3	Unknown	14	ug/kg
000	2-Methylphenol	95-48-7	Unknown	2100	ug/kg
000	Butylbenzylphthalate	85-63-7	Unknown	390J	ug/kg
PS0	4,4'-DDD	72-54-8	Unknown	110	ug/kg

 $J = {\sf Found}$ but below CLP detection limits.

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

1. IDENTIFICATION OI STATE 02 SITE NUMBER NY New lite

II. HAZARDOUS CONDITIONS AND INCIDENTS				
O1 X A. GROUNDWATER CONTAMINATION O3 POPULATION POTENTIALLY AFFECTED: O	02 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION		X POTENTIAL	_ ALLEGED
Leachate from the landfill could potentially mi	- igrate downward into the shallow s	and and grav	el Tully Aquifer.	
01. x B. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: 47,442		'86)	Y POTENTIAL	_ ALLEGED
Leachate was observed migrating from the landfi	11 into Ley Creek.			
01 C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED: 0	02 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION)	POTENTIAL	_ ALLEGED
No potential exists. During a site inspection \ensuremath{HNu} .	conducted 7/1/86, no readings abo	ove backgrour	nd were detected w	ith the SVA and
01. D. FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED: 0	02 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION		_ POTENTIAL	_ ALLEGED
No potential exists. The site has been capped	. The local fire marshal has not	declared thi	s site a fire haz	ard.
O1. X E. DIRECT CONTACT O3 POPULATION POTENTIALLY AFFECTED: 13,167	02 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION)	X POTENTIAL	_ ALLEGED
The potential exists because only a road gate $\boldsymbol{\eta}$ walk on-site.	restricts vehicles on to the landf	ill. The ar	rea is not fenced,	so anyone can
01 x F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: 120 (ACRES)	02 X OBSERVED (DATE: 7/1/S 04 NARRATIVE DESCRIPTION		X POTENTIAL	_ ALLEGED
Many poly aromatic hydrocarbons and heavy meta of the contaminants found in the soil.	ls were detected on-site. Copper	, pyrene, dit	penzofuran, and ch	nyseme were som
O1. G. DRINKING WATER CONTAMINATION O3 POPULATION POTENTIALLY AFFECTED: 0	02 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION)	_ POTENTIAL	_ ALL'EGED
No potential exists as drinking water supply is \ensuremath{HRS} .	s upgradient and outside the 3 mi	le radius of	the site used for	scoring of the
		, e	•	
01 H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED: 0	02 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION)	_ POTENTIAL	_ ALLEGED
No potential exists. The site is presently in	active.	•		
01 x I. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED: 97,442	02 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION)	X POTENTIAL	_ ALLEGED
Ley Creek and Onondaga Lake are both used for	recreation.			
EPA FORM 2070-13 (7-81)		· · · · · · · · · · · · · · · · · · ·		

POTENTIAL HAZARGOUS WASTE SITE SITE INSPECTION REPORT PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

1. IDENTIFICATION OI STATE OZ SITE NUMBER NY New Site

HAZARDOUS CONDITIONS AND INCIDENTS (Continued)		
X J. DAMAGE TO FLORA NĀRRATIVE DESCRIPTION	O2 _ OBSERVED (DATE:)	X POTENTIAL ALLEGED
potential exits because leachate migrating off-site	can cause drainage to flora.	
XK. DAMAGE TO FAUNA NARRATIVE DESCRIPTION (Include name(s) of species)	02 _ OBSERVED (DATE:)	X POTENTIAL ALLEGED
$\ensuremath{\text{na}}$ coming into contact with leachate could potentially taminated.	ly be harmed. Fish in Ley Creek and Onanda	go Lake could potentially be
X L. CONTAMINATION OF FOOD CHAIN VARRATIVE DESCRIPTION	02 _ OBSERVED (DATE:)	X POTENTIAL _ ALLEGED
potential exits because the fish in Ley Creek and or $\tilde{\textbf{s}}$.	n Onondaga Lake could become contaminated w	ith cadmium, mercury, or
X M. UNSTABLE CONTAINMENT OF WASTES (Spills/runoff/standing liquids/leaking drums) POPULATION POTENTIALLY AFFECTED: 97,442	O2 X OBSERVED (DATE: 7/1/S6) O4 NARRATIVE DESCRIPTION	X POTENTIAL _ ALLEGED
thate was observed migrating from the landfill into L	ey Creek.	
X N. DAMAGE TO OFFSITE PROPERTY VARRATIVE DESCRIPTION	02 <u>x</u> OBSERVED (DATE:	X POTENTIAL _ ALLEGED
thate was observed migrating from the landfill into L perty. $ \\$	ey Creek. Leachate entering Ley Creek cou.	ld damage downstream
X O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs WARRATIVE DESCRIPTION	02 _ OBSERVED (DATE:)	X POTENTIAL _ ALLEGED
adequate diversion structures were present on-site, \boldsymbol{t} ers and drains.	therefore runoff from landfill could potent	ially contaminate nearby
X P. ILLEGAL/UNAUTHORIZED DUMPING VARRATIVE DESCRIPTION	02 _ OBSERVED (DATE:)	X POTENTIAL ALLEGED
evidence or recorded incident is present, of illegal, ever, the potential exists as the site is not fully e		ocumented in the past.
DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED	D HAZARDS	
e.		
. TOTAL POPULATION POTENTIALLY AFFECTED: 97,	442	
. COMMENTS		
Town of Salina has received several violation notice poor operation and non-compliance with state Depart		
V. SOURCES OF INFORMATION (Cite specific references. e inspection on 7/1/86 Log Book #1661 graphical Exposure Modeling System, US EPA econ #NYT1-01: Conversation with Mr. W. Styles - 8/econ #NYT1-02: Conversation with Mr. P. DeVoldre - 8/econ #NYT1-02: Conversation with Mr. J. Kraft - 8/4 kground Information, NUS Files, NUS Corporation, Edit Survey, Onondaga County, New York 1977	4/86 8/4/86 /86	ss)

FORM 2070-13 (7-81)

POTENTIAL HAZAROOUS WASTE SITE SITE INSPECTION REPORT PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

IDENTIFICATION
 OI STATE OZ SITE NUMBER
 NY New Site

PERMIT INFORMATION TYPE OF PERMIT ISSUED (Check all that apply)	O2 PERMIT	NUMBER	O3 DATE ISS	UED 04 EXPIRA	TION DATE	O5 COMMENTS
_ A. NPDES						
_ B. UIC						
_ C. AIR						
_ D. RCRA						
_ E. RCRA INTERIM STATUS						
_ F. SPCC PLAN		٠				
_ G. STATE (Specify)						
_ H. LOCAL (Specify)						
_ I. OTHER (Specify)						
X J. NONE						
I. SITE DESCRIPTION						
Storage/Disposal (Check all that apply)	02 AMOUNT	03 UNIT (OF MEASURE	O4 TREATMENT (Check all th	at apply)	OS OTHER
A. SURFACE IMPOUNDMENT B. PILES C. DRUMS, ABOVE GROUND D. TANK, ABOVE GROUND E. TANK, BELOW GROUND X F. LANDFILL G. LANDFARM H. OPEN DUMP I. OTHER (Specify)	37,000	Tons			INJECTION YSICAL ROCESSING OVERY	_ A. BUILDINGS ON SITE No OG AREA OF SITE 120(Acres)
COMMENTS		,				
e site was municipal sanitary lar non-compliance with state regulars. No monitoring wells are presult. CONTAINMENT CONTAINMENT OF WASTES (Check one	ations du ent on-si	ring its act	tive life. te was obse	The site received reved during 7/1/86	PCB laden was	ste. The facility closed in ion.
_ A. ADEQUATE, SECURE	_ B. MODE	RATE	<u>x</u> c. In	ADEQUATE, POOR	_ 0. 183	SECURE, UNSOUND, DANGEROUS
DESCRIPTION OF DRUMS, DIKING, LI	NERS, BAR	RIERS, ETC.				
ring the site inspection conducted the located on-site.	ed on 7/1/	86 leachate	was observ	e migrating into l	ey Creek and	into a leachate drainage
ACCESSIBILITY WASTE EASILY ACCESSIBLE: COMMENTS	X YES	_ NO				
e landfill has been capped. Lead te has an entrance gate but no fo					occasional po	nding of surface water. The
SOURCES OF INFORMATION (Cite spe	cific ref	erences. e.	g., state f	iles, sample anal	ysis, reports)	
te Inspection on 7/1/86, Log Book exground Information, NUS Files,		ration, Edi	son, New Je	rsey		

A FORM 2070-13 (7-81)

SITE INSPECTION REPORT OL STATE OZ SITE NUMBER New Site PART 5 - DEMOGRAPHIC, AND ENVIRONMENTAL DATA DRINKING WATER SUPPLY TYPE OF DRINKING SUPPLY 02 STATUS 03 DISTANCE TO SITE (Check as applicable) SURFACE **ENDANGERED AFFECTED** MONITORED WELL A. Greater than 4 (mi) B. Greater than 4 (mi) YT I NIIME A. <u>X</u> \overline{D} . \overline{X} Y-COMMUNITY C. D. Ε. F. . GROUNDWATER GROUNDWATER USE IN VICINITY (Check one) A. ONLY SOURCE FOR DRINKING B. DRINKING C. COMMERCIAL, INDUSTRIAL, IRRIGATION X D. NOT USED, UNUSEABLE (Other sources (Limited other sources available) available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) O3 DISTANCE TO NEAREST DRINKING WATER WELL: 4 (mi) POPULATION SERVED BY GROUND WATER: DEPTH TO GROUNDWATER OF DIRECTION OF GROUNDWATER FLOW OG DEPTH TO AQUIFER OF POTENTIAL YIELD 03 SOLE SOURCE AQUIFER OF CONCERN OF AQUIFER _ YES Approx. 1 (ft) S-SW Approx. 1 (ft) Unknown (gpd) X NO DESCRIPTION OF WELLS (Including useage, depth, and location relative to population and buildings) bundwater is not used in the area. Nearest wells are greater than 4 miles away. The aquifer of concern in the area is the lly Aquifer; it is composed of sand and gravel. The depth to groundwater in the vicinity of the site is approximately 1.0 11. DISCHARGE AREA RECHARGE AREA YES The landfill is a recharge area YES COMMENTS COMMENTS X for the shallow sand and gravel Tully NO NO Aquifer. SURFACE WATER SURFACE WATER USE (Check one) _ D. NOT CURRENTLY USED X A. RESERVOIR, RECREATION B. IRRIGATION, ECONOMICALLY C. COMMERCIAL, INDUSTRIAL DRINKING WATER SOURCE IMPORTANT RESOURCES AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER **AFFECTED** DISTANCE TO SITE NAME: 1.8 (mi) Onondaga Lake (adjacent to site) (mi) Ley Creek (mi) DEMOGRAPHIC AND PROPERTY INFORMATION 02 DISTANCE TO NEAREST POPULATION TOTAL POPULATION WITHIN THREE (3) MILES OF SITE ONE (1) MILE OF SITE TWO (2) MILES OF SITE 51,346 13,167 97,442 0.028 (mi) NO. OF PERSONS NO. OF PERSONS NO. OF PERSONS 04 DISTANCE TO NEAREST OFF-SITE BUILDING NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE 0.028 20,954 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site. e.g., ral, village, densely populated urban area) e population within the 3 mile radius generally resides in urban residential neighborhoods intermingled with some mmercially zoned areas. The total population within 3 miles is 97,442 people.

A FORM 2070-13 (7-81)

Potential"Hāžardous"Wastē Site

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

1. IDENTIFICATION
OI STATE OZ SITE NUMBER
NY New Site

ENVIRONMENTAL INFORMATION PERMEABILITY OF UNSATURATED ZONE (Check one)
_ A. 10^{-6} - 10^{-8} cm/sec _ B. 10^{-4} - 10^{-6} cm/sec _ Z C. 10^{-4} - 10^{-3} cm/sec _ D. GREATER THAN 10^{-3} cm/sec
PERMEABILITY OF BEDROCK (Check one)
A. IMPERMEABLE $\frac{x}{10^{-6}}$ B. RELATIVELY IMPERMEABLE $\frac{x}{10^{-4}}$ C. RELATIVELY PERMEABLE $\frac{x}{10^{-2}}$ D. VERY PERMEABLE (Greater than 10-2 cm/sec)
DEPTH TO BEDROCK O4 DEPTH OF CONTAMINATED SOIL ZONE O5 SOIL PH
Surface (6 ft. assumed) (ft)
NET PRECIPITATION 07 ONE YEAR 24 HOUR RAINFALL 08 SLOPE
SITE SLOPE DIRECTION OF SITE SLOPE TERRAIN AVERAGE SLOPE site is in (in) 2.5 (in) 3.3 % S-SW surface water %
9 (in) 2.5 (in) 3.3 % S-SW surface water %
(or change, to species,
A (mi) B. adjacent to site (mi) ENDANGERED SPECIES: None
LAND USE IN VICINITY
DISTANCE TO:
COMMERCIAL/INDUSTRIAL RESIDENTIAL AREAS: NATIONAL/STATE PARKS, AGRICULTURAL LANDS FORESTS, OR WILDLIFE RESERVES PRIME AG LAND AG LAND
A. <u> </u>
DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY
landfill encompasses approximately 120 acres of land. The landfill is situated on a 50 yr, flood plain which lies ectly adjacent to Ley Creek. The site was moderately vegetated. The site topography is generally flat along the top of landfill $(0-1\% \text{ slope})$ with the sides having approx. a 450 slope. The regional topography has a 0-3% slope in a S-SW ection.
SON-CTS OF INFORMATION (Cite specific references e.g., state files, sample analysis, reports)
e Inspection, 7/1/86 - Log Book #1661 econ #NYT1-01, Conversation with W. Styles, 8/4/86 econ #NYT1-02, Conversation with P. DeVoldre, 8/4/86 econ #NYT1-03, Conversation with J. Kraft, 8/4/86 econ #NYT1-03, Conversation with J. Kraft, 8/4/86 re HRS User Manual - MITRE Corporation ndaga County Soi! Survey, Onondaga County, New York S Topographic Quadrangle Map - West Syracuse Quad.

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 6 - SAMPLE AND FIELD INFORMATION

I. 10EN IFTUA ION OI STATE OZ SITE MUMBER NY New Site

. SAMPLES TAKE	N			
SAMPLE TYPE		BER OF SAMPLES TAKEN	02 SAMPLES SENT TO	O3 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			Organics Sent to:	
SURFACE WATE	R	3	Gulf South Research,	, Institute 10/86
WASTE			5010 Lercy Johnson R	Road
AIR			New Orleans, LA 701	126
RUNOFF				
SPILL			Inorganics sent to:	
SOIL		8	California Analytica	al Labs 10/86
VEGETATION			2544 Industrial Blvd	d.
OTHER Blank	VOA	1	West Sacramento, CA	95697
FIELD MEASU		KEN D2 COMMENTS		
TYPE	•	UZ COMMENIS		
anic Vapor lyzer (OVA)		No readings above back	ground levels were dete	ected.
tionization ector (HNu)				
PHOTOGRAPHS	AND MAPS			
	X GROUND	_ AERIAL	O2 IN CUSTODY OF	NUS Corporation, Edison. New Jersey (Name of organization or individual)
IAPS	04 LOCATIO	N OF MAPS		· · · · · · · · · · · · · · · · · · ·
<u>X</u> YES _ NO		NUS Corporation, Ed	ison, New Jersey	
	ATA COLLEC	TED (Provide narrative	description)	
		s (#1661) filed under		
SOURCES OF I	NFORMATION	(Cite specific refere	nces. e.g., state files	s, sample analysis, reports)
e Inspection,				

A FORM 2070-13 (7-81)

POTENTIAL HAZAROUS WASTESITE SITE INSPECTION REPORT PART 7 - OWNER INFORMATION

I. IDENTIFICATION
OF STATE OF SITE NUMBER
No. New Site

CURRENT OWNER(S)		PARENT COMPANY (If applicable)	
NAME	02 D + 8 NUMBER	08 NAME	09 D + B NUMBER
n of Salina STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	Not Applicable 10 STREET ADDRESS (P.O. Box, RFD#, etc.)	11 SIC CODE
School Road CITY 06 STATE	07 ZIP CODE	12 CITY 13 STATE	14 ZIP CODE
erpool NY	13088		
NAME	02 D + B NUMBER	OR NAME	09 D + B NUMBER
STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD#, etc.)	11 SIC CODE
CITY 06 STATE	07 ZIP CODE	12 CITY 13 STATE	14 ZIP CODE
NAME	O2 D + B NUMBER	08 NAME	09 D + B NUMBER
STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD#, etc.)	11 SIC CODE
CITY 06 STATE	07 ZIP CODE	12 CITY 13 STATE	14 ZIP CODE
NAME	O2 D + B NUMBER	O8 NAME	09 D + B NUMBER
STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD#, etc.)	11 SIC CODE
CITY O6 STATE	O7 ZIP CODE	12 CITY 13 STATE	14 ZIP CODE
. PREVIOUS OWNER(S) (List most recent fin	-st)	<pre>IV. REALTY OWNER(S) (If applicable; list m</pre>	ost recent first)
. PREVIOUS OWNER(S) (List most recent fin	oz D + B NUMBER	IV. REALTY OWNER(S) (If applicable; list m	ost recent first) C2 D + 8 NUMBER
VAME Applicable	02 D + B NUMBER	OI NAME Not Applicable	C2 D + B NUMBER
NAME Applicable STREET ADDRESS (P.C. Box, RFD#, etc.)	02 D + 8 NUMBER 04 SIC CODE	OI NAME Not Applicable O3 STREET ADDRESS (P.O. Box, RFD#, etc.)	C2 D + B NUMBER 04 SIC CODE
Applicable STREET ADDRESS (P.C. Box, RFD#, etc.) CITY 06 STATE	02 D + B NUMBER 04 SIC CODE 07 ZIP CODE	Ol NAME Not Applicable O3 STREET ADDRESS (P.O. Box, RFD#, etc.) O5 CITY O6 STATE	C2 D + 8 NUMBER 04 SIC CODE 07 ZIP CODE
Applicable STREET ADDRESS (P.G. Box, RFD#, etc.) CITY 06 STATE WAME	02 D + 8 NUMBER 04 S1C CODE 07 Z1P CODE 02 D + B NUMBER	Ol NAME Not Applicable O3 STREET ADDRESS (P.O. Box, RFD#, etc.) O5 CITY O6 STATE O1 NAME	C2 D + B NUMBER 04 SIC CODE 07 ZIP CODE 02 D + B NUMBER
Applicable STREET ADDRESS (P.C. Box, RFD#, etc.) CITY 06 STATE VAME STREET ADDRESS (P.O. Box, RFD#, etc.)	O2 D + B NUMBER O4 SIC CODE O7 ZIP CODE O2 D + B NUMBER O4 SIC CODE	Ol NAME Not Applicable O3 STREET ADDRESS (P.O. Box, RFD#, etc.) O5 CITY O6 STATE O1 NAME O3 STREET ADDRESS (P.O. Box, RFD#, etc.)	C2 D + 8 NUMBER O4 SIC CODE O7 ZIP CODE O2 D + 8 NUMBER O4 SIC CODE
Applicable STREET ADDRESS (P.C. Box, RFD#, etc.) CITY 06 STATE VAME STREET ADDRESS (P.O. Box, RFD#, etc.)	O2 D + B NUMBER O4 SIC CODE O7 ZIP CODE O2 D + B NUMBER O4 SIC CODE	Ol NAME Not Applicable O3 STREET ADDRESS (P.O. Box, RFD#, etc.) O5 CITY O6 STATE O1 NAME O3 STREET ADDRESS (P.O. Box, RFD#, etc.)	C2 D + 8 NUMBER O4 SIC CODE O7 ZIP CODE O2 D + B NUMBER O4 SIC CODE
Applicable STREET ADDRESS (P.C. Box, RFD#, etc.) DITY O6 STATE WAME STREET ADDRESS (P.O. Box, RFD#, etc.) DITY O6 STATE	O2 D + B NUMBER O4 SIC CODE O7 ZIP CODE O2 D + B NUMBER O4 SIC CODE O7 ZIP CODE	Ol NAME Not Applicable O3 STREET ADDRESS (P.O. Box, RFD#, etc.) O5 CITY O6 STATE O1 NAME O3 STREET ADDRESS (P.O. Box, RFD#, etc.) O5 CITY O6 STATE	C2 D + 8 NUMBER 04 SIC CODE 07 ZIP CODE 02 D + 8 NUMBER 04 SIC CODE 07 ZIP CODE
ADDIICABLE STREET ADDRESS (P.G. Box, RFD#, etc.) CITY O6 STATE VAME STREET ADDRESS (P.O. Box, RFD#, etc.) CITY O6 STATE	O2 D + B NUMBER O4 SIC CODE O7 ZIP CODE O2 D + B NUMBER O4 SIC CODE O7 ZIP CODE O2 D + B NUMBER	Ol NAME Not Applicable O3 STREET ADDRESS (P.O. Box, RFD#, etc.) O5 CITY O6 STATE O1 NAME O3 STREET ADDRESS (P.O. Box, RFD#, etc.) O5 CITY O6 STATE	C2 D + B NUMBER O4 SIC CODE O7 ZIP CODE O2 D + B NUMBER O4 SIC CODE O7 ZIP CODE O7 ZIP CODE
ADDITION STATE ADDITION OF STATE OF STATE VAME STREET ADDRESS (P.O. Box, RFD#, etc.) CITY OF STATE VAME STREET ADDRESS (P.O. Box, RFD#, etc.) VAME STREET ADDRESS (P.O. Box, RFD#, etc.)	02 D + B NUMBER 04 SIC CODE 07 ZIP CODE 02 D + B NUMBER 04 SIC CODE 07 ZIP CODE 02 D + B NUMBER 04 SIC CODE 07 ZIP CODE	Ol NAME Not Applicable O3 STREET ADDRESS (P.O. Box, RFD#, etc.) O5 CITY O6 STATE O1 NAME O3 STREET ADDRESS (P.O. Box, RFD#, etc.) O5 CITY O6 STATE O1 NAME O3 STREET ADDRESS (P.O. Box, RFD#, etc.) O5 CITY O6 STATE O1 NAME O3 STREET ADDRESS (P.O. Box, RFD#, etc.) O5 CITY O6 STATE	C2 D + 8 NUMBER 04 SIC CODE 07 ZIP CODE 02 D + B NUMBER 04 SIC CODE 07 ZIP CODE 02 D + B NUMBER 04 SIC CODE

FURM 2070-13 (7-91)

CURRENT OPERATOR(S)		***	UPERATUR'S PAREN	T COMPANY (If amplicable)	
NAME		02 D + B Number	10 NAME	· · · · · · · · · · · · · · · · · · ·	11 D + B NUMBER
Applicable STREET ADDRESS (P.O. B	ox, RFD#, etc.)	04 SIC CODE	Not Applicabl 12 STREET ADDRES	e S (P.O. Box, RFD#, etc.)	13 SIC CODE
CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
YEARS OF OPERATION	09 NAME OF OWNER				
PREVIOUS OPERATOR(S)	(List most recent Provide only if d	first: ifferent from owner)	PREVIOUS OPERATO	R'S PARENT COMPANIES (If a	applicable)
YAME		02 D + B Number	10 NAME		11 D + B NUMBER
r of Salina STREET ADDRESS (P.O. B	ox, RFD#, etc.)	04 SIC CODE	Not Applicab! 12 STREET ADDRES	e S (P.O. Box, RFD#, etc.)	13 SIC CODE
School Road CITY	O6 STATE	O7 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
erpool YEARS OF OPERATION	O9 NAME OF OWNER	13088			
nown	Town Supervisor				
NAME		02 D + B Number	10 NAME	· · · · · · · · · · · · · · · · · · ·	11 D + 8 NUMBER
STREET ADDRESS (P.O. B	ox, RFD#, etc.)	04 SIC CCDE	12 STREET ADDRES	S (P.O. Box, RFD#, etc.)	13 SIC CODE
CITY	06 STATE	O7 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
EARS OF OPERATION	09 NAME OF OWNER				
IAME		02 D + B Number	10 NAME		II D + B NUMBER
		JE D D HUMBUT			AT D + D NO.4BEK
TREET ADDRESS (P.O. B	ox, RFD#, etc.)	04 SIC CODE	12 STREET ADDRES	S (P.O. Box, RFD#, etc.)	13 SIC CODE
CITY	O6 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE

kground Information, NUS Files, NUS Corporation Edison, New Jersey

SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

te is inactive

POTENTIAL HAZARCOUS WASTE SITE SITE INSPECTION REPORT PART 9 - GENERATOR/TRANSPORTER INFORMATION

1. IDENTIFICATION OI STATE OZ SITE NUMSER NY New Site

ON-SITE GENERATOR NAME	02 D + B NUMBER		
. Applicable STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE		
CITY 06 STATE	O7 ZIP CODE		
OFF-SITE GENERATOR(S)			
NAME	02 D + B NUMBER	O1 NAME	02 D + B NUMBER
: Applicable STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE
CITY 06 STATE	O7 ZIP CODE	O5 CITY O6 STATE	07 ZIP CODE
NAME	O2 D + B NUMBER	O1 NAME	02 D + B NUMBER
STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	O3 STREET ADDRESS (P.O. Box, RFD#, etc.)	O4 SIC CODE
CITY O6 STATE	O7 ZIP CODE	O5 CITY O6 STATE	07 ZIP CODE
TRANSPORTER(S)			
NAME	02 D + 8 NUMBER	O1 NAME	02 D + B NUMBER
: Applicable STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	O3 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE
CITY 06 STATE	07 ZIP CODE	OS CITY OG STATE	O7 ZIP CODE
NAME	02 D + B NUMBER	O1 NAME	O2 D + B NUMBER
STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	O3 STREET ADDRESS (P.O. Box, RFD#, etc.)	O4 SIC CODE
CITY 06 STATE	O7 ZIP CODE	O5 CITY O6 STATE	O7 ZIP CODE
SOURCES OF INFORMATION (Cite specific re	ferences, e.g., state	files, sample analysis, reports)	

Exground Information, NUS Files, NUS Corporation Edison, New Jersey

POTENTIAL MALANDOLS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

OF STATE OF STATE NUMBER

New Site

PAST RESPONSE ACTIVITIES		
A. WATER SUPPLY CLOSED DESCRIPTION	O2 DATE:	03 AGENCY:
: Applicable B. TEMPORARY WATER SUPPLY PROVIDED DESCRIPTION	O2 DATE:	O3 AGENCY:
: Applicable C. PERMANENT WATER SUPPLY PROVIDED DESCRIPTION	O2 DATE:	O3 AGENCY:
: Applicable D. SPILLED MATERIAL REMOVED DESCRIPTION	O2 DATE:	O3 AGENCY:
: Applicable	02 DATE:	O3 AGENCY:
: Applicable F. WASTE REPACKAGED DESCRIPTION	02 DATE:	O3 AGENCY:
: Applicable G. WASTE DISPOSED ELSEWHERE DESCRIPTION	O2 DATE:	O3 AGENCY:
: Applicable H. ON SITE BURIAL DESCRIPTION	O2 DATE:	O3 AGENCY:
: Applicable I. IN SITU CHEMICAL TREATMENT DESCRIPTION	O2 DATE:	O3 AGENCY:
: Applicable J. IN SITU BIOLOGICAL TREATMENT DESCRIPTION	O2 DATE:	O3 AGENCY:
Applicable K. IN SITU PHYSICAL TREATMENT DESCRIPTION	02 DATE:	03 AGENCY:
Applicable L. ENCAPSULATION DESCRIPTION	O2 DATE:	O3 AGENCY:
Applicable M. EMERGENCY WASTE TREATMENT DESCRIPTION	02 DATE:	O3 AGENCY:
Applicable N. CUTOFF WALLS DESCRIPTION	O2 DATE:	O3 AGENCY:
Applicable O. EMERGENCY DIKING/SURFACE WATER DIVERSION DESCRIPTION	02 DATE:	O3 AGENCY:
Applicable P. CUTOFF TRENCHES/SUMP DESCRIPTION	O2 DATE:	O3 AGENCY:
Applicable Q. SUBSURFACE CUTOFF WALL DESCRIPTION	O2 DATE:	O3 AGENCY:
Applicable		

SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

OI STATE OZ SITE NUMBER NY New Site

PAST RESPONSE ACTIVITIES R. BARRIER WALLS CONSTRUCTED DESCRIPTION	02 DATE:	O3 AGENCY:
Applicable X S. CAPPING/COVERING DESCRIPTION	02 DATE: 1972	O3 AGENCY:
dfill was capped when it was officially closed. T. BULK TANKAGE REPAIRED DESCRIPTION	02 DATE:	O3 AGENCY:
Applicable U. GROUT CURTAIN CONSTRUCTED DESCRIPTION	02 DATE:	O3 AGENCY:
Applicable V. BOTTOM SEALED DESCRIPTION	02 DATE:	O3 AGENCY:
Applicable W. GAS CONTROL DESCRIPTION	02 DATE:	O3 AGENCY:
Applicable X. FIRE CONTROL DESCRIPTION	02 DATE:	O3 AGENCY:
Applicable Y. LEACHATE TREATMENT DESCRIPTION	02 DATE:	O3 AGENCY:
Applicable Z. AREA EVACUATED DESCRIPTION	02 DATE:	O3 AGENCY:
Applicable 1. ACCESS TO SITE RESTRICTED CESCRIPTION	O2 DATE:	O3 AGENCY:
: Applicable 2. POPULATION RELOCATED DESCRIPTION	02 DATE:	O3 AGENCY:
Applicable 3. OTHER REMEDIAL ACTIVITIES DESCRIPTION	02 DATE:	O3 AGENCY:

. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

ikground Information, NUS Files, NUS Corporation, Edison, New Jersey

: Applicable

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

1. IDENTIFICATION
OI STATE 02 SITE NUMBER
NY New Site

. ENFORCEMENT INFORMATION

PAST REGULATORY/ENFORCEMENT ACTION

X YES

_ NO

DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

veral times during the operation of the landfill the Town of Salina was cited for violation of the state regulations for ndfill management and operation. Each violation was for non-compliance with state laws.

ecific violations were:

- on-site burning
- dumping into water
- leachate observed at the site
- leaching into a water course
- refuse not confined to a manageable area
- unsatisfactory daily soil cover
- refuse protruding through completed areas
- improper spreading and compaction of the refuse
- pooling of water
- blowing paper problem
- approach road impassable to vehicular traffic during part of the year.

[. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, report)

tkground Information, NUS Files, NUS Corporation Edison, New Jersey

v York State Department of Environmental Conservation, Refuse Disposal and Inspection Report, 10/27/72, 5/15/72, 3/22/71, 14/75, 6/1/72, 10/28/74

SECTION 3

MAPS AND PHOTOGRAPHS

OLD SALINA LANDFILL SALINA, ONONDAGA COUNTY, NEW YORK TDD# 02-8606-01 JULY 1, 1986

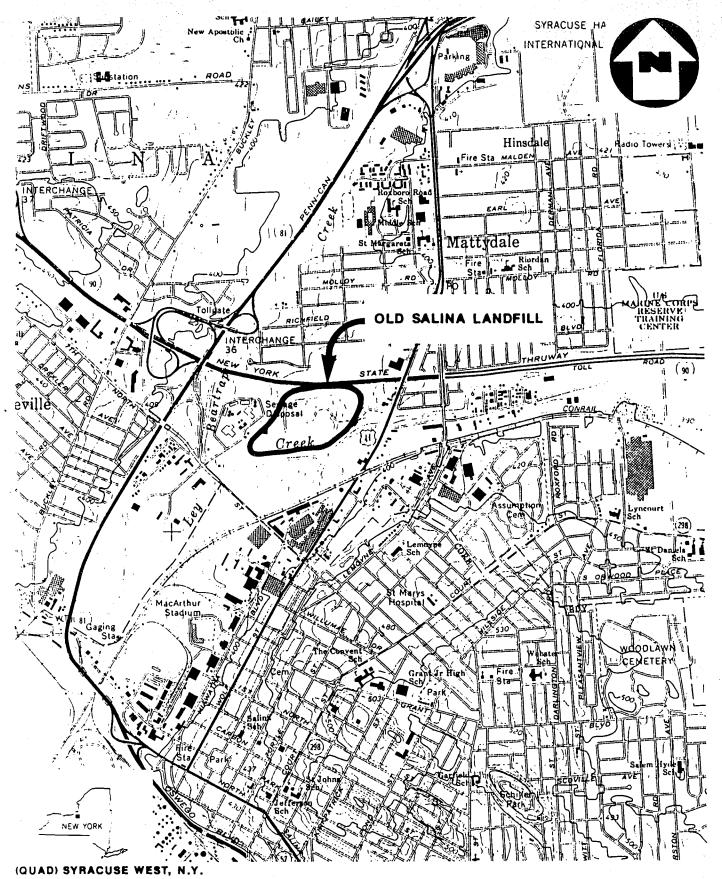
PHOTOGRAPH INDEX

EXHIBIT A

OLD SALINA LANDFILL SALINA, NEW YORK TDD# 02-8606-01

TABLE OF CONTENTS

Figure 1 Provides a Site Location Map Figure 2 Provides a Sample Location Map Exhibit A Provides Site Photographs

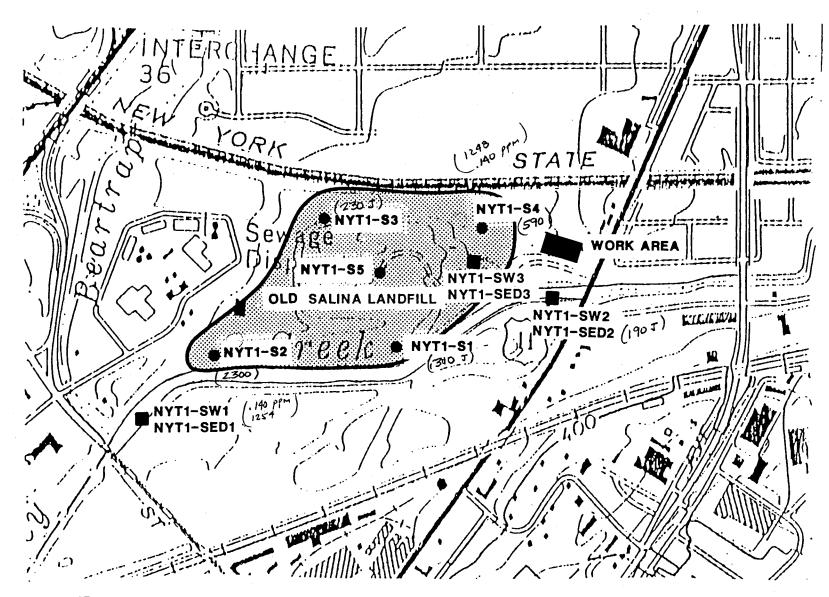


SITE LOCATION MAP
OLD SALINA LANDFILL, SALINA, N.Y.

SCALE: 1" = 2000'









LEGEND:

- SOIL SAMPLE LOCATION
- SURFACE WATER AND SEDIMENT SAMPLE

SAMPLE LOCATION MAP

OLD SALINA LANDFILL, SALINA, N.Y.

(SCALE UNKNOWN)



FIGURE 2

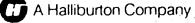


EXHIBIT A

OLD SALINA LANDFILL TOWN OF SALINA, ONONDAGA COUNTY, NEW YORK TDD# 0202-8606-01 JULY 1, 1986

PHOTOGRAPH INDEX

ALL PHOTOGRAPHS TAKEN BY SALVADOR A. RIGGI JR.

Photo Number	Description	<u>Time</u>
1P-1	Collecting sample NYT1-S1. Location: Southeast corner of landfill. Samplers: Pete Morton, Laurie Gneiding.	1230
1P-2	Collecting sample NYT1-S2. Location: Southwest corner of landfill. Samplers: Pete Morton, Laurie Gneiding.	1245
1P-3	Collecting sample NYT1-S3. Location: Northwest corner of landfill. Samplers: Pete Morton, Laurie Gneiding.	1250
1P-4	Collecting sample NYT1-S4. Location: Northeast corner of landfill. Samplers: Pete Morton, Laurie Gneiding.	1320
1P-5	Collecting sample NYT1-S5. Location: Center of landfill. Samplers: Pete Morton, Laurie Gneiding.	1325
1P-6	Collecting sample NYT1-SW1. Location: Downgradient, Ley Creek. Samplers: Laurie Gneiding, Pete Morton.	1353
1P-7	Collecting sample NYT1-SED1. Location: Same as NYT1-SW1. Samplers: Laurie Gneiding, Pete Morton.	1400
1P-8	Collecting sample NYT1-SW3. Location: Northeast drainage ditch approximately 50 feet west of work station. Samplers: Laurie Gneiding, Pete Morton.	1425
1P-9	Collecting sample NYT1-SED3. Location: Same as NYT1-SW3. Samplers: Pete Morton, Laurie Gneiding.	1430
1P-10	Collecting sample NYT1-SW2. Location: Upgradient, Ley Creek. Samplers: Laurie Gneiding, Pete Morton.	1440
1P-11	Collecting sample NYT1-SED2. Location: Same as NYT1-SW2. Samplers: Laurie Gneiding, Pete Morotn.	1450





July 1, 1986 1230 Collecting sample NYT1-S1.

Location: Southeast corner of landfill. Samplers: Pete Morton, Laurie Gneiding. Photographer: Salvador A. Riggi Jr.



1P-2 July 1, 1986 1245 Collecting sample NYT1-S2.

Location: Southwest corner of landfill.
Samplers: Pete Morton, Laurie Gneiding.
Photographer: Salvador A. Riggi Jr.





1P-3 July 1, 1986 1250

Collecting sample NYT1-S3.

Location: Northwest corner of landfill. Samplers: Pete Morton, Laurie Gneiding. Photographer: Salvador A. Riggi Jr.



1P-4 July 1, 1986 1320

Collecting sample NYT1-S4.

Location: Northwest corner of landfill. Samplers: Pete Morton, Laurie Gneiding. Photographer: Salvador A. Riggi Jr.





1P-5 July 1, 1986 1325 Collecting sample NYT1-S5.

Location: Center of landfill.

Samplers: Pete Morton, Laurie Gneiding. Photographer: Salvador A. Riggi Jr.



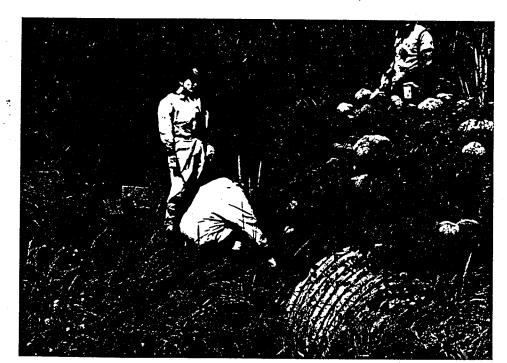
1P-6 July 1, 1986 1353

Collecting sample NYT1-SW1.
Location: Downgradient, Ley Creek.
Samplers: Laurie Gneiding, Pete Morton.
Photographer: Salvador A. Riggi Jr.





1P-7 July 1, 1986 1400
Collecting sample NYT1-SED1.
Location: Same as NYT1-SW1.
Samplers: Laurie Gneiding, Pete Morton.
Photographer: Salvador A. Riggi Jr.



1P-8 July 1, 1986 1425 Collecting sample NYT1-SW3.

Location: Northeast drainage ditch approximately 50 feet west of

work station.

Samplers: Laaurie Gneiding, Pete Morton.





1P-9 July 1, 1986 1430
Collecting sample NYT1-SED3.
Location: Same as NYT1-SW3.
Samplers: Pete Morton, Laurie Gneiding.
Photographer: Salvador A. Riggi Jr.



1P-10 July 1, 1986 1440
Collecting sample NYT1-SW2.
Location: Upgradient, Ley Creek.
Samplers: Laurie Gneiding, Pete Morton.
Photographer: Salvador A. Riggi Jr.



OLD SALINA LANDFILL, TOWN OF SALINA, ONANDAGA COUNTY, NEW YORK



1450 July 1, 1986 1P-11 Collecting sample NYT1-SED2.
Location: Same as NYT1-SW2.
Samplers: Laurie Gneiding, Pete Morton.

SECTION 4

DOCUMENTATION RECORDS FOR HAZARD RANKING SYSTEM

FIT QUALITY ASSURANCE TEAM

DOCUMENTATION RECORDS

FOR

HAZARD RANKING SYSTEM

INSTRUCTIONS:

As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference. Include the location of the document.

FACILITY NAME:

Old Salina Landfill

LOCATION:

Town of Salina, Onondaga County, New York

DATE SCORED:

12-8-86

PERSON SCORING:

Richard Pagano

PRIMARY SOURCE(S) OF INFORMATION (e.g., EPA region, state, FIT, etc.): Site inspection of 7/1/86, Field Logbook #1661. EPA Files, Contract Lab Results

FACTORS NOT SCORED DUE TO INSUFFICIENT INFORMATION: None

COMMENTS OR QUALIFICATIONS:

Air route scored a zero since no HNu or OVA readings were detected above background level.

Fire and explosion route was scored a zero, as there was no evidence of such a threat during the site inspection. The local fire marshall has not declared this site a fire hazard.

GROUNDWATER ROUTE

1 OBSERVED RELEASE

Contaminants detected (5 maximum):

An observed release was not detected as no groundwater samples were taken. Ref; #2

Rationale for attributing the contaminants to the facility: Not applicable

2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifer(s) of concern:

The aquifer of concern is the unconfined Tully Aquifer which is composed of glacial sand and gravel. The Tully Aquifer is overlain with lacustrine and marshy floodplain sediments.

Rei: #5

Depth(s) from the ground surface to the highest seasonal level of the saturated zone water table(s) of the aquifer of concern:

The highest seasonal level of the saturated zone is approximately I foot below ground surface. This zone is hydrologically connected to the Tully Aquifer.

Ref: #5

Depth from the ground surface to the lowest point of waste disposal/storage:

Depth from ground surface to lowest point of waste disposal is unknown, so a depth of 6 feet is assumed as per HRS instructions. Therefore, the depth to the aquifer of concern is 0 feet; this is the vertical measurement of the lowest point of the hazardous substances to the highest seasonal level of the saturated zone of the aquifer of concern.

Ref: #6, 10

Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal):

The mean annual precipitation is 36 inches.

Ref: #10

Mean annual lake or seasonal evaporation (list months for seasonal):

The mean annual lake evaporation is 27 inches.

Ref: #10

Net precipitation (subtract the above figures):

36" - 27"= 9 inches of net precipitation.

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

The soil in the area is Carlisle Muck of the Carlisle Series. It consists mostly of organic sediments which make up most of the floodplain area.

Ref: #5, 7

Permeability associated with soil type:

The permeability of the organic sediments is approximately 10^{-4} to 10^{-3} cm/sec. Ref: #5, 7, 12

Physical State

Physical state of substances at time of disposal (or at present time for generated gases):

Solids, liquids, and sludge.

Ref: #2, 6, 20

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

The landfill is unlined and due to the high water table there is ponding of surface water.

Ref: #2, 6

Method with highest score:

Unlined landfill.

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

Pyrene, Indeno(1,2,3-cd)Pyrene, Acenaphthylene, Chrysene and Lead

Ref: #21

Compound with highest score:

All of the above compounds have a toxicity/persistence score of 18.

Ref: #11

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

EPA Report, ID #00239440, states that the Fisher Guide, G.M. Corporation, based in Syracuse, N.Y. dumped the following hazardous wastes at Old Salina Landfill: buffing sludge - 36,300 tons, paint sludge - 640 tons, waste thinner and reducer -22 tons; 36,962 tons of documented hazardous waste was dumped on-site. The Onondaga County Health Department and the New York Department of Environmental Conservation (NYDEC) stated that the Fisher Guide Plant dumped an unknown quantity of PCB contaminated waste at Old Salina Landfill.

Ref: #19, 20

Basis of estimating and/or computing waste quantity:

The waste quantities were acquired from an EPA document, I.D. #002399440. Ref: #20

5 TARGETS

Groundwater Use

Use(s) of aquifer(s) of concern within a 3-mile radius of the facility:

Groundwater is not in use throughout a 3 mile radius of the site.

Ref: #4, 13

Distance to Nearest Well

Location of nearest well drawing from <u>aquifer of concern</u> or occupied building not served by a public water supply:

There are no wells drawing from the aquifer of concern within 3 mile radius of the site.

Ref: #4, 13

Distance to above well or building:

Not applicable.

Population Served by Groundwater Wells Within a 3-Mile Radius

Identified water-supply well(s) drawing from <u>aquifer(s) of concern</u> within a 3-mile radius and populations served by each:

Groundwater is not used, therefore the population served from the aquifer of concern is 0.

Ref: #4, 13

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre).

Groundwater is not used for irrigation.

Ref: #4, 13

Total population served by groundwater within a 3-mile radius:

Zero (0).

Ref: #4, 13

SURFACE WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

An observed release was not detected. There was no significant increase of contaminants in the downstream sample compared to the upstream sample from Ley Creek.

Ref: 2

Rationale for attributing the contaminants to the facility:

Not applicable

* * *

2 ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

Elevation (high) - Elevation (low) x 100

Path way entrance

20' x 100 = 3.33% Facility slope in a southwestwerly direction.

600'

Ref: #8

Name/description of nearest downslope surface water:

The nearest downslope surface water is Ley Creek. Ley Creek is the southern border of the landfill. Downstream 1.8 miles of Ley Creek is Onondaga Lake. Ref: #2, 8

Average slope of terrain between facility and above-cited surface water body in percent:

The site is in surface water. The southern border of the site is Ley Creek. Ref: #2, 8

Is the facility located either totally or partially in surface water?

Yes, Ley Creek is the southern border of Old Salina Landfill.

Ref: #2, 8

Is the facility completely surrounded by areas of higher elevation?

No.

Ref: #2, 8

1-Year 24-Hour Rainfall in Inches

2.5 inches.

Ref: #10

Distance to Nearest Downslope Surface Water

Ley Creek lies directly adjacent to the site, and 1.8 miles downstream of Ley Creek is Onondoga Lake.

Ref: #2, 8

Physical State of Waste

Solids, liquids, and sludge.

Ref: #2, 6, 20

* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Leachate was observed migrating toward Ley Creek with no form of diversion or containment present.

Ref: #2, 6

Method with highest score:

Exposed leachate with no form of diversion or containment.

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated

Pyrene, Indeno(1,2,3-cd)Pyrene, Acenaphthylene, Chrysene and Lead Ref: #21

Compound with highest score:

All of the above compounds have a toxicity/persistence score of 18. Ref: #11

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

EPA Report, ID #002399440, states that the Fisher Guide, G.M. Corporation, based in Syracuse, N.Y. dumped the following hazardous wastes at Old Salina Landfill: buffing sludge - 36,300 tons, paint sludge - 640 tons, waste thinner and reducer - 22 tons; 36,962 tons of documented hazardous waste was dumped on-site. The Onondaga County Health Department and the NYDEC stated that the Fisher Guide Plant dumped an unknown quantity of PCB contaminated waste at Old Salina Landfill.

Ref: #19, 20

Basis of estimating and/or computing waste quantity:

The waste quantities were acquired from an EPA document, I.D. #00239440. Ref: #19, 20

* * *

5 TARGETS

Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance:
Surface water throughout the 3 mile radius is not used for drinking or irrigation purposes. Onondaga Lake and Ley Creek are both used for recreational purposes.
Ref: #2, 4, 8

Is there tidal influence?

No.

Ref: #2, 8

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

Greater than 2 miles.

Ref: #8

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

The distance to a fresh-water wetland is zero feet, because a swamp area lies directly adjacent to the site, along Ley Creek.

Ref: #2

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

No critical habitat or endangered species are present within a mile radius from the site.

Ref: #3

Population Served by Surface Water

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

Surface water supply for drinking water comes from Lake Otisco, Skaneateles Lake, and Lake Ontario. All are greater than 3 miles from the site. Therefore, population served by intakes within 3 miles of the site is zero (0). Ley Creek and Onondaga Lake are not used for drinking; they are both used for recreational purposes.

Ref: #4

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

Not applicable.

Total population served:
The total population served is 0.

Name/description of nearest of above water bodies: Not applicable.

Distance to above-cited intakes, measured in stream miles. Not applicable.

AIR ROUTE

1 OBSERVED RELEASE

Contaminants detected:

During the site inspection of 7/1/86 no readings above background levels were detected with the OVA and HNu.

Ref: #2

Date and location of detection of contaminants

Not applicable.

Methods used to detect the contaminants:

The air was monitored with an Organic Vapor Analyzer (OVA) and Photoionization Analyzer (HNu).

Ref: #2

Rationale for attributing the contaminants to the site:

Not applicable.

2 WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

Not applicable.

Most incompatible pair of compounds:

Toxicity

Most toxic compound:

Not applicable.

Hazardous Waste Quantity

Total quantity of hazardous waste:

Not applicable.

Basis of estimating and/or computing waste quantity:

Not applicable.

3 TARGETS

Population Within 4-Mile Radius

Circle radius used, give population, and indicate how determined:

0 to 4 mi

0 to 1 mi

0 to 1/2 mi

0 to 1/4 mi

Not applicable.

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less: Not applicable.

Distance to 5-acre (minimum) fresh-water wetland, if I mile or less: Not applicable. Distance to critical habitat of an endangered species, if I mile or less: Not applicable.

Land Use

Distance to commercial/industrial area, if 1 mile or less: Not applicable.

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less: Not applicable.

Distance to residential area, if 2 miles or less: Not applicable.

Distance to agricultural land in production within past 5 years, if I mile or less: Not applicable.

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

Not applicable.

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

Not applicable.

FIRE AND EXPLOSION

1 CONTAINMENT

Hazardous substances present:

During the site inspection there did not appear to be any evidence of a fire or explosion threat. The local Fire Marshall has not declared this site a fire hazard. Ref: #2

Type of containment, if applicable:

Not applicable.

2 WASTE CHARACTERISTICS

Direct Evidence

Type of instrument and measurements:

Not applicable.

Ignitability

Compound used:

Not applicable.

Reactivity

Most reactive compound:

Not applicable.

Incompatibility

Most incompatible pair of compounds:

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility: Not applicable.

Basis of estimating and/or computing waste quantity: Not applicable.

3 TARGETS

Distance to Nearest Population

Not applicable.

Distance to Nearest Building

Not applicable.

Distance to Sensitive Environment

Distance to wetlands:

Not applicable.

Distance to critical habitat:

Not applicable.

Land Use

Distance to commercial/industrial area, if 1 mile or less:

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less: Not applicable.

Distance to residential area, if 2 miles or less:

Not applicable.

Distance to agricultural land in production within past 5 years, if 1 mile or less: Not applicable.

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

Not applicable.

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

Not applicable.

Population Within 2-Mile Radius

Not applicable.

Buildings Within 2-Mile Radius

DIRECT CONTACT

1 OBSERVED INCIDENT

Date, location, and pertinent details of incident:

No observed incident of direct contact with landfilled wastes has been documented. Ref: #2

* * *

2 ACCESSIBILITY

Describe type of barrier(s):

Only a road gate restricts entrance to the access road. The entire facility is open to public access.

Ref: #2

* * *

3 CONTAINMENT

Type of containment, if applicable:

Uncontrolled leachate was observed migrating from the landfill toward Ley Creek. Contaminated surface soil samples were detected on the landfill.

Ref: #2

* * *

4 WASTE CHARACTERISTICS

Toxicity

Compounds evaluated:

Pyrene, Indeno(1,2,3-cd)Pyrene, Acenaphthylene, Chrysene, and Lead Ref: #21

Compound with highest score:

All of the above compounds have a toxicity/persistence score of 18.

5 TARGETS

Population Within One-Mile Radius

13,167 people.

Ref: #8, 9

Distance to Critical Habitat (of Endangered Species)

Greater than 3 miles.

Ref: #3

SECTION 5

HAZARD RANKING SYSTEM SCORING FORMS

Facility name: Old Salina Landfill

Location: Town of Salina, Onondaga County, New York

EPA Region: Region II

Persons(s) in charge of the facility:

Name of Reviewer: R. Pagano General description of the facility: Date: 12-8-86

(For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; type of information needed for rating; agency action, etc.)

Old Salina Landfill is a former municipal sanitary landfill located in the Town of Salina, Onondaga County, New York. The site encompasses approximately 120 acres of land. The landfill is bordered by the New York State Thruway to the north and Ley Creek to the south. There are well over 5 acres of wetlands in the vicinity of Ley Creek; some of these wetlands are on-site. The landfill closed in 1972; the year the landfill opened is unknown.

The analyses for semi-volatile compounds showed significant concentrations of many polyaromatic hydrocarbons and other compounds. Pyrene, fluoranthene and phenanthrene were detected in concentrations of over 20ppm, while dibenzofuran was found in a concentration of 2300ppb. Lesser concentrations of pesticide and volatile compounds were detected.

Score: $S_{M} = 11.77 (S_{gw} = 0 S_{sw} = 20.36 S_{a} = 0)$ $S_{FE} = 0$ $S_{DC} = 62.50$

HRS COVER SHEET

	Grour	nd Water Route Work	Sneet	,		
Rating Factor	Assigned Value Multi- "Circle One) piter					Re! Sections
1 Observed Release	ŷ) 45	1	C	45	3.1
		of 45, proceed to line of 0, proceed to line	_		-	
2 Route Characteris Depth to Aquife		1 2 (3)	2		£ 6	3 2
Concern Net Precipitation Permeability of		1 (2) 3	1		2 3 2 3	
Unsaturated Zo Physical State	ne 0	1 2 ③	1		3 3	
	Total Re	ute Characteristics So	core	13	15	
Containment	0	1 2 (3)	1	3	3	3.3
Waste Characteris Toxicity/Persist Hazardous Wass Quantity	ence 0	3 6 9 12 15 (18) 1 2 3 4 5 6	7 (8) 1		/} ¹ 18 }⁄ 8	3.4
	Total Wa	ste Characteristics So	core	26	25	
Targets Ground Water U Distance to Nea Well/Populatio Served	est) 🚺	1 2 3 4 6 8 10 16 18 20 30 32 35 40	3 1		Ø 9 ∂40	3.5
					· · · · · · · · · · · · · · · · · · ·	
_	To	otal Targets Score		0	49	
	multiply 1 x 2 jultiply 2 x 3			0	57 330	
7 Divide line 6 b	/ 57.330 and multi-	DIY DY 100	Sgw =	Ð	•	

GROUND WATER ROUTE WORK SHEET

	Surface Water Route Work Sheet								
	Rating Factor		Assigned Value (Circle One)				Score	Max Score	Ref. (Section)
0	Observed Release		0		45	1	0	45	4 1
	If observed release				_=	•			
2	Route Characteristi		ning 0	1 2 (3)		1		3 3	4.2
	Terrain 1-yr. 24-hr Rainfa Distance to Neard Water			1 2 3		. 2		2 3 6 6	
	Physical State		0	1 2 ③		1		33	
			Total Rout	e Charact	eristics Score		14	15	
3	Containment		0	1 2 3		1	3	3	4.3
4	Waste Characteristi Toxicity/Persiste Hazardous Waste Quantity	nce		3 6 9	12 15 (1B) 4 5 6 7 (1 (a) 1		/ § 18 § 8	4.4
	·			·		· · · · · · · · · · · · · · · · · · ·	·		
			Total Wast	te Charact	eristics Score		26	26	
3	Targets Surface Water Us Distance to a Ser Environment	nsitive	0 0	1 (2)	3 ③	3 2		6 9 6 6	4.5
	Population Server to Water Intake Downstream	d/Distan	ce) (0) 12 24	4 6 16 18 30 32	8 10 20 35 40	1		O 40	
			Tot	al Targets	Score		12	55	
6		nultiply ultiply	1 x 4 2 x 3		5		13/04	64 350	
	\odot Divide line \odot by 64.350 and multiply by 100 \circ S sw = 20.36								

SURFACE WATER ROUTE WORK SHEET

Air Route Work Sheet								
	Rating Factor		Assigned Value (Circle One)			Max. Score	Ref. (Section)	
1	Observed Release	()	15	1	0	45	5.1	
	Date and Location:							
	Sampling Protocol:							
		0. Enter on line 5. oceed to line 2.						
2	Waste Characteristics Reactivity and	0 1 2 3		1		3	5.2	
	Incompatibility Toxicity Hazardous Waste Quantity	0 1 2 3 0 1 2 3 4	5 6 7 8	3		9 8	·	
		Total Waste Character	ristics Score			20		
3	Targets Population Within) 0 9 12 15 18	I	1		30	5.3	
	4-Mile Radius Distance to Sensitive Environment	J 21 24 27 30 0 1 2 3		2		6		
	Land Use	0 1 2 3		1		3		
		Total Targets	Score			39		
4	Multiply 1 x 2 x	3				35,100		
5	Divide line 4 by 35,10	00 and multiply by 100		Sa-	0			

	S	s²
Groundwater Route Score (Sgw)	0	0
Surface Water Route Score (S _{SW})	20.36	41453
Air Route Score (Sa)	C'	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		414.53
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2}$		20.36
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2} / 1.73 = s_M =$		11.77

WORKSHEET FOR COMPUTING $s_{\mathbf{M}}$

	Direct Intact Work Sheet	•					
Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)		
1 Observed Incident	45	1	0	45	8 1.		
If line 1 is 45, proceed							
2 Accessibility	0 1 2 3	1	3	3	8.2		
3 Containment	0 15	1	15	15	8.3		
Waste Characteristics Toxicity	0 1 2 3	5	15	15	8.4		
Targets Population Within a	0 1 2 3 4 5	. 4 ,	7	L <i>Q</i> 20	8.5		
1-Mile Radius Distance to a Critical Habitat	(i) 1 2 3	4		O 12			
		<u> </u>		T	ገ		
	Total Targets Score		20	32			
6 If line 1 is 45, multiply If line 1 is 0, multiply		·	13,50	21.60	0		
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FIRE AND EXPLOSION WORK SHEET

SECTION 6

BIBLIOGRAPHY OF INFORMATION SOURCES

BIBLIOGRAPHY OF INFORMATION SOURCES HRS MODEL

	SOURCE	LOCATION
1.	Telecon Note: 10/6/86, telephone conversation with Jeff Benatowski, Onondaga County Supervisor's Office.	NUS Corp. Edison, NJ
2.	Site Inspection, Log Book #1661, NUS Corp. FIT II.	NUS Corp. Edison, NJ
3.	N.Y.D.E.C., 3/3/86, Endangered, Threatened, and Special Concern Species of N.Y.S.	NUS Corp. Edison, NJ
4.	Telecon Note: 8/2/86, telephone conversation with P. DeVoldre, Onondaga Water Supply Company.	NUS Corp. Edison, NJ
5.	Telecon Note: 8/4/86, telephone conversation with J. Kraft, NYDEC Region 7.	NUS Corp. Edison, NJ
6.	Telecon Note: 8/5/86, telephone conversation with C. Boehlert, Town Supervisor, Town of Salina.	NUS Corp. Edison, NJ
7.	Soil Survey for Onondaga County, New York, 1977.	NUS Corp. Edison, NJ
8.	U.S. Department of the Interior, Geological Survey Topographic Map, "West Syracuse, New York", 1973, revised 1978.	NUS Corp. Edison, NJ
9.	General Software Corporation. 1984. Draft Graphical Exposure Modeling System (GEMS) User's Guide. Prepared for the U.S. Environmental Protection Agency, Office of Pesticides and Toxic Substances. Landover, Maryland.	NUS Corp. Edison, NJ
10.	U.S. Environmental Protection Agency. 1984. "Uncontrolled Hazardous Waste Site Ranking System." A User's Manual (HW-10).	NUS Corp. Edison, NJ
11.	Sax, N.I. 1984. <u>Dangerous Properties of Industrial</u> <u>Materials</u> . Sixth Edition. Van Nostrand Reinhold Company, New York.	NUS Corp. Edison, NJ
12.	Matheson, C.C. 1981. "Engineering Geology." First Edition. C.E. Merrill Publishing Company.	NUS Corp. Edison, NJ
13.	Telecon Note: 10/07/86, telephone conversation with Mr. Field, Town Supervisor, Salina, New York.	NUS Corp. Edison, NJ
14.	Telecon Note: 10/08/86, telephone conversation with Mr. L. Gross, NYDEC.	NUS Corp. Edison, NJ

BIBLIOGRAPHY OF INFORMATION SOURCES (CONT'D) HRS MODEL

	SOURCE	LOCATION
15.	Telecon Note: 10/06/86, telephone conversation with Mr. L. Kane, Town Engineer for Salina.	NUS Corp. Edison, NJ
16.	Telecon Note: 10/02/86 and 10/08/86, telephone conversation with Mr. J. Light, Syracuse Herald Journal.	NUS Corp. Edison, NJ
17.	Telecon Note: 06/24/86, telephone conversation with Mr. C. Chernoff, NYDEC.	NUS Corp. Edison, NJ
18.	Telecon Note: 10/17/86, telephone conversation with Mr. B. Snyder, EPA.	NUS Corp. Edison, NJ
19.	NYDEC, 1986. Cronology of Investigation and Testing by Onondaga County Health Department and NYDEC. From EPA File #TSCA-PCB-84-020.	NUS Corp. Edison, NJ
20.	EPA I.D. #002239440. 1985. Report on Fisher Guide IV, GMC, Syracuse, N.Y. from EPA File #TSCA-PCB-84-020.	NUS Corp. Edison, NJ
21.	U.S. EPA Contract Laboratory Program Sample Management Office. Analytica! results of samples collected 7-1-86 by NUS Corp. FIT II.	NUS Corp. Edison, NJ

SECTION 7

PRESS RELEASE SUMMARY-MITRE HAZARD RANKING SYSTEM

SUMMARY STATEMENT OLD SALINA LANDFILL TOWN OF SALINA, ONONDAGA COUNTY, NEW YORK

Old Salina Landfill is a former municipal sanitary landfill located in the Town of Salina, Onondaga County, New York. The landfill encompasses approximately 120 acres of land. The landfill is bordered by the New York State Thruway to the north and Ley Creek to the south. There are well over 5 acres of wetlands where the landfill borders Ley Creek.

The landfill closed in 1973; the year the landfill opened is unknown. Prior to 1973, PCB laden waste was disposed on the landfill. During the landfill's operation, the Town of Salina received several violation notices for non-compliance with the state regulations.

The analyses for semi-volatile compounds showed significant concentrations of many polyaromatic hydrocarbons and other compounds. Pyrene, flouoranthene and phenanthrene were detected at concentrations above 20ppm, while dibenzofuran was found at a concentration of 2300ppb. Lesser concentrations of pesticide and volatile compounds were detected. The contaminants were detected in on-site soil and surface water samples.

Primary concern is for the shallow sand and gravel Tully Aquifer. Groundwater contamination may have occurred through infiltration of hazardous substances from contaminated soil. Ley Creek could possibly become contaminated via surface runoff or leachate transport through groundwater. Within a 3 mile radius of the site, neither the surface water in Ley Creek nor groundwater is used for drinking, irrigation, or commercial purposes. However, Ley Creek is used for fishing.

No enforcement action or remedial work has yet been taken.

SECTION 8

ATTACHMENTS-CITED DOCUMENTS

REFERENCE #1

CONTROL NO:	DATE:	TIME:
	10.6-86	1405
DISTRIBUTION:	1	
2. 2.	. 1 - Time	
ULD SALINA	6 1140 1146	
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	Superusons office	(315) 4696755
Jeff Benetouski And: Richard Pagani	١	
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NUS CORLOLATION

1661

New York State Department of Environmental Conservation 50 Wolf Road Albany, New York 12233



ENDANGERED, THREATENED, AND SPECIAL CONCERN SPECIES OF NEW YORK STATE1

ENDANGERED

*Chittenango Ovate Amber Snail

Karner Blue Butterfly

*Shortnose Sturgeon Round Whitefish Pugnose Shiner Eastern Sand Darter

Bluebreast Darter

Gilt Darter

Spoonhead Sculpin Deepwater Sculpin Tiger Salamander

Bog Turtle *Leatherback Sea Turtle

*Hawksbill Sea Turtle

*Atlantic Ridley Sea Turtle Massasauga Rattlesnake

Golden Eagle

*Bald Eagle *Peregrine Falcon

*Eskimo Curlew Least Tern Roseate Tern

Loggerhead Shrike

*Indiana Bat

*Sperm Whale

*Sei Whale

*Blue Whale

*Finback Whale

*Humpback Whale

*Right Whale

*Gray Wolf

*Cougar

Succinea chittenangoensis

Lycaeides melissa Acipenser brevirostrum Prosopium cylindraceum Notropis anogenus Ammocrypta pellucida Etheostoma camurum

Percina evides Cottus ricei

Myoxocephalus thompsoni Ambystoma tigrinum

Clemmys muhlenbergi Dermochelys coriacea Eretmochelys imbricata Lepidochelys kempii

Sistrurus catenatus Aquila chrysaetos

Haliaeetus leucocephalus

Falco peregrinus Numenius borealis Sterna albifrons Sterna dougallii Lanius Iudovicianus Myotis sodalis Physeter catodon

Balaenoptera borealis Balaenoptera musculus Balaenoptera physalus Megaptera novaeangliae

Balaena glacialis Canis lupus

Felis concolor

THREATENED

Lake Sturgeon Mooneve Lake Chubsucker Mud Sunfish Longear Sunfish Cricket Frog **Mud Turtle**

Blanding's Turtle *Loggerhead Sea Turtle

*Green Sea Turtle

Timber Rattlesnake Osprey

Red-shouldered Hawk Northern Harrier Spruce Grouse Piping Plover

Common Tern

Eastern Woodrat

Hiodon teraisus Erimyzon sucetta Acantharchus pomotis Lepomis megalotis Acris crepitans Kinosternon subrubrum Emydoidea blandingi -Caretta caretta Chelonia mydas Crotalus horridus Pandion haliaetus Buteo lineatus Circus cyaneus

Acipenser fulvescens

Dendragapus canadensis Charadrius melodus

Sterna hirundo Neotoma floridana

*Indicates that the species is currently listed as "endangered" by the U.S. Department of the Interior.

"Indicates that the species is currently listed as "threatened" by the U.S. Department of the Interior.

RECEIVED

MAR 0 3 1986

NUS CORPORATION REGION II SENT TO ___

CONTROL NO:	DATE:	TIME:
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BETWEEN:	OF: Onedaga Count	Y PHONE:
Phil DeVolde	OF: Onedaga Count water supply	(315) 455-7061
Phil Devoldre		
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S. Riggi Jr DISCUSSION: 99		
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AND:			
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soil in undrained areas. In drained areas roots can penetrate as deep as the drainage is effective. prained areas have high available water capacity. Many areas of Canandaigua soils, even when drained, receive runoff and seepage from adjacent higher rece. Undrained areas are suited to sod crops that tolerate wetness. If adequately drained the soils are well suited to such annual row crops as corn, beans, and vegetables. Because of wetness the suppply of nitrogen generally is deficient in spring. The natural supply of nitrogen, however, is high, and if the soils are adequately drained, the supply of nitrogen generally is adequate for most crops in midsummer. The capacity of these soils to supply potassium and phosphorus is medium. Only a few areas need lime. Complete fertilizer generally is needed if the soils are drained and cropped intensively.

Representative profile of Canandaigua mucky silt loam in an idle area that was formerly cultivated in the town of Lysander, 50 feet east of State Route 48,

2,500 feet north of Church Road:

Ap-0 to 8 inches, very dark grayish-brown (7.5YR 2/2) mucky silt loam, high in content of organic matter; moderate, fine and medium, granular structure; friable; many roots; neutral; clear, smooth boundary.

B21g-8 to 12 inches, pinkish-gray (7.5YR 6/2) coarse silt loam; few, medium, distinct yellowish-brown and strong-brown mottles; weak, medium and fine, subangular blocky structure; friable; common roots; many fine and medium pores; mildly alkaline; clear, smooth boundary.

B22g—12 to 19 inches, pinkish-gray (7.5YR 6/2) silt loam; many, coarse, prominent strong-brown and reddish-yellow and common, medium, distinct light-gray mottles; moderate, coarse, prismatic structure parting to weak, coarse, subangular blocky; prism faces have gray (10YR 6/1) silt films; few fine roots; many fine and medium pores; thin patchy clay films in larger pores; few thin patchy clay films on blocky faces; mildly alkaline; gradual, wavy boundary.

B3g—19 to 19 inches, light brownish-gray (10YR 6/2) heavy

B3g-19 to 31 inches, light brownish-gray (10YR 6/2) heavy very fine sandy loam; common, medium, distinct yellowish-brown, dark yellowish-brown, and light-gray mottles; weak, coarse and very coarse, prismatic structure parting to weak, fine and medium, blocky; friable; few fine roots; thin light-gray patchy clay films on prism faces; few fine and medium pores; thin patchy clay films in larger pores; mildly alkaline becoming moderately alkaline (calcareous) at a depth of 29 inches; clear, wavy boundary.

C-31 to 54 inches, gray (10YR 6/1) thinly stratified silt, very fine sand, and fine sand that has very thin layers of light-brown (7.5YR 6/4) silty clay; common, coarse, distinct dark yellowish-brown, olive-brown, and light olive-brown mottles that decrease in size and number with increasing depth; weak, fine and medium and thick, platy structure; friable; moderately alkaline (strongly calacerous).

The solum ranges from 20 to 40 inches in thickness. Depth to carbonates ranges from 18 to 60 inches. Depth to bedrock is more than 40 inches and generally is more than 10 feet. The solum generally is free of coarse fragments but, in places, it contains as much as 5 percent gravel and small stones by

The dark-colored Ap horizon ranges from black to very dark grayish brown in color. It is less than 10 inches thick and is less than a third of the thickness of the solum. In undisturbed areas the Al horizon ranges from 4 to 6 inches in thickness, and in some of the wettest areas it is muck. The A horizon is mainly silt loam or mucky silt loam, but it ranges to fine sandy loam or mucky fine sandy loam that is high in content of silt. Reaction in the A horizon ranges from slightly acid to mildly alkaline.

The B horizon ranges from light gray (5YR 7/1) to grayish brown (2.5Y 5/2) in color. It has hues of 5YR to 2.5Y, values of

5 to 7, chromas of 1 and 2, and few to many high chroma mottles. The B horizon is very fine sandy loam to light silty clay loam. Reaction in the B horizon ranges from slightly acid to moderately alkaline, and in places it is calcareous in the lower part.

The C horizon is mainly stratified silt and very fine sand that has thin bands of silty clay in places, and is silty clay below a depth of 40 inches in places. Reaction in the C horizon

is neutral to moderately alkaline.

Canandaigua soils are closely associated with the somewhat poorly drained Niagara soils, which formed in similar material. They are coarser textured than Lakemont and Fonda soils.

Canandaigua mucky silt loam (Cd).—This level or nearly level soil is on flats or in depressions on lake plains where the water table is at or near the surface for long periods. Water ponds in places. Most areas are irregular in shape and larger than 10 acres in size, but some are larger than 50 acres.

Included with this soil in mapping are fairly extensive areas where the surface layer is silt loam instead of mucky silt loam, but the effect on use and management is very slight. Also included are areas of Palms muck in the lowest depressions and areas of better drained Niagara soils on slight rises or knolls.

If this soil is undrained, it is suited to wetland hay, pasture, and trees. If adequately drained, it is well suited to such annual row crops as corn and beans. This soil generally is too wet for winter small grain crops and too high in content of nitrogen for spring small grains. Capability unit IVw-3; woodland suitability group 4w1.

Carlisle Series

The Carlisle series consists of deep, very poorly drained, muck soils that formed in woody organic deposits. These soils are in bogs and have more than 51 inches of organic material over a mineral substratum of calcareous marl, or sand, silt, clay, or combinations of the three.

In a representative profile in a forest, the surface layer is friable, black granular muck about 12 inches thick. It is underlain by mucky material that extends to a depth of about 111 inches. Color is black to a depth of about 65 inches and very dark brown below. Partly decomposed wood fragments are scattered through the material below a depth of 65 inches. Below a depth of 111 inches, the mineral substratum is gray, sticky and plastic clay loam that is calcareous.

In Carlisle soils water is at or ponded on the surface during the wetter parts of the year. Root growth is limited by prolonged wetness to the upper 12 inches unless the soil is drained. In drained areas roots extend as deep as the drainage is effective. Available water capacity is high. Drained muck subsides by compaction and oxidation. It is also lost by soil blowing. Consequently drainage systems need to be deepened periodically. Some areas without adequate outlets need to be pumped. In some areas pumping is reversed to provide irrigation during dry periods. Drained Carlisle muck is highly productive for such specialty crops as lettuce, onions, celery, and potatoes. The supply of nitrogen is high. The capacity of these soils to supply phosphorus and potassium is low to medium. Undrained areas are better suited to

swamp woods than to most other uses. Drained areas that are abandoned because of subsidence and thinning of the muck are commonly better suited to wetland wildlife habitat. Wetness and poor stability are the main limitations for most nonfarm uses.

Representative profile of Carlisle muck in a forest in the town of Cicero, 150 feet south of Island Road,

4,700 feet east of Northern Boulevard:

Oa1-0 to 12 inches, black (5YR 2/1) on broken face, rubbed and pressed, sapric material; about 20 percent woody, herbaceous, and mossy fibers, about 2 percent rubbed; moderate to strong, fine granular structure; friable; many roots; about 5 percent mineral content; slightly acid; abrupt, smooth boundary.

Oa2-12 to 30 inches, black (N 2/0) on broken face, rubbed and pressed, sapric material; about 20 percent herbaceous fibers, about 5 percent rubbed; massive; nonsticky, slightly plastic; few roots; about 5 percent mineral content; neutral; clear boundary.

Oa3-30 to 65 inches, black (10YR 2/1) on broken face, rubbed

and pressed, sapric material; about 25 percent herbaceous fibers, 5 percent rubbed; massive; nonsticky, slightly plastic; about 5 percent mineral con-

tent; slightly acid; clear boundary

Oa4-65 to 108 inches, very dark brown (10YR 2/2) on broken face, rubbed and pressed, sapric material; about 15 percent woody and herbaceous fibers, 5 percent rubbed; massive; nonsticky, slightly plastic; 10 percent wood chips; 5 percent mineral content; slightly acid; clear boundary

Oa5-108 to 111 inches, very dark brown (10YR 2/2) on broken face, rubbed and pressed, sapric material; about 50 percent mineral content; massive; slightly sticky

and slightly plastic; neutral; clear boundary.

IIC2-111 to 116 inches, gray (5Y 6/1) light clay loam; massive; sticky and plastic; mildly alkaline (calcareous).

The organic deposits are more than 51 inches thick. Depth to bedrock is more than 51 inches and generally is more than 10 feet. Reaction in the surface and subsurface layers ranges from strongly acid to mildly alkaline, but it is dominantly slightly acid or neutral. The upper tiers to a depth of 36 inches are black (N 2/0) to very dark brown (10YR 2/2) and are dominantly woody and herbaceous fibers and sapric material, but some hemic material is present in places. The bottom tiers, below a depth of 36 or more inches, range from black (N 2/0) to dark reddish brown (5YR 2/2). They are mainly sapric material of herbaceous and woody fibers, and they contain some layers of hemic material in places. Reaction in the bottom tiers ranges from medium acid to moderately alkaline.

Carlisle muck is closely associated with Palms muck and Edwards muck. Carlisle muck is more than 51 inches deep to mineral or marl material, whereas Palms and Edwards muck are less than 51 inches deep to mineral or marl material.

Carlisle muck (Ce).—This soil is in swampy depressions mainly on the lake plains. Most areas are irregular in shape and larger than 10 acres in size. Some areas, especially in Cicero Swamp and Peat Swamp, are very large.

Included with this soil in mapping are areas of Palms or Edwards muck where there is less than 51 inches of organic material over a mineral or marl substratum. Also included are a few small areas of Canandaigua, Fonda, and Lamson soils, mainly along the edges of depressions or on small low knolls.

Areas of Carlisle muck that are used for crops are intensively drained. Areas still forested are mostly undrained or are partly drained as a result of ditching for roads or draining of adjacent areas for crops. Drained areas are used mainly for such truck crops as lettuce and onions. Only a few areas are used for field crops. Capability unit IIIw-1; woodland suitability group 5w1.

Cazenovia Series

The Cazenovia series consists of deep, well drained and moderately well drained, medium-textured soils that have a moderately fine textured subsoil. These soils formed in glacial till rich in reddish clay shale limestone, and, in places, reworked reddish lacustrine clay. They are on uplands.

In a representative profile in a cultivated area, the surface layer is dark-brown silt loam 9 inches thick Between depths of 9 and 12 inches is a thin, leached subsurface layer of brown, friable silt loam. Between depths of 12 and 15 inches, the upper part of the subsoil is reddish-brown, friable silt loam. Between depths of 15 and 36 inches, the subsoil is firm, reddish-brown silty clay loam that becomes gravelly at a depth of about 31 inches. Between depths of 36 and 70 inches, the underlying calcareous substratum is firm. gravelly silty clay loam that is streaked with colors of reddish brown, dark reddish gray, gray, and dark reddish brown.

Cazenovia soils have a seasonal high water table a: a depth of 18 to 24 inches where runoff is somewhat slow or where water accumulates. In places the sea sonal high water table is a little deeper. It is perched on the slowly permeable subsoil and substratum Root growth is mainly in the top 24 to 36 inches of soil. Available water capacity in this zone is high. The natural supply of nitrogen and phosphorus is generally medium, and the supply of potassium is high. In unlimed areas reaction in the surface layer is me dium acid to neutral. In places Cazenovia soils contain stones and boulders, generally limestone, that hinder tillage. Such areas are indicated on the sou map by symbols. Slope, the hazard of erosion, and slight seasonal wetness are the main limitations for most farm and nonfarm uses.

Representative profile of Cazenovia silt loam, 2 to 5 percent slopes, in a cultivated area in the town of Manlius, 300 feet west of Enders Road, 600 feet north of the intersection of Enders Road and State Route

Ap-0 to 9 inches, dark-brown (7.5YR 4/2) silt loam, pinkish gray (7.5YR 6/2) dry; moderate, fine and medium granular structure; friable; many roots; 10 percent coarse fragments; slightly acid; abrupt, smooth boundary.

A2-9 to 12 inches, brown (7.5YR 4/4) silt loam, pinkish gray (7.5YR 7/2) dry; weak, thick, platy structure; friable; many roots; common pores; 10 percent coarse fragments; slightly said.

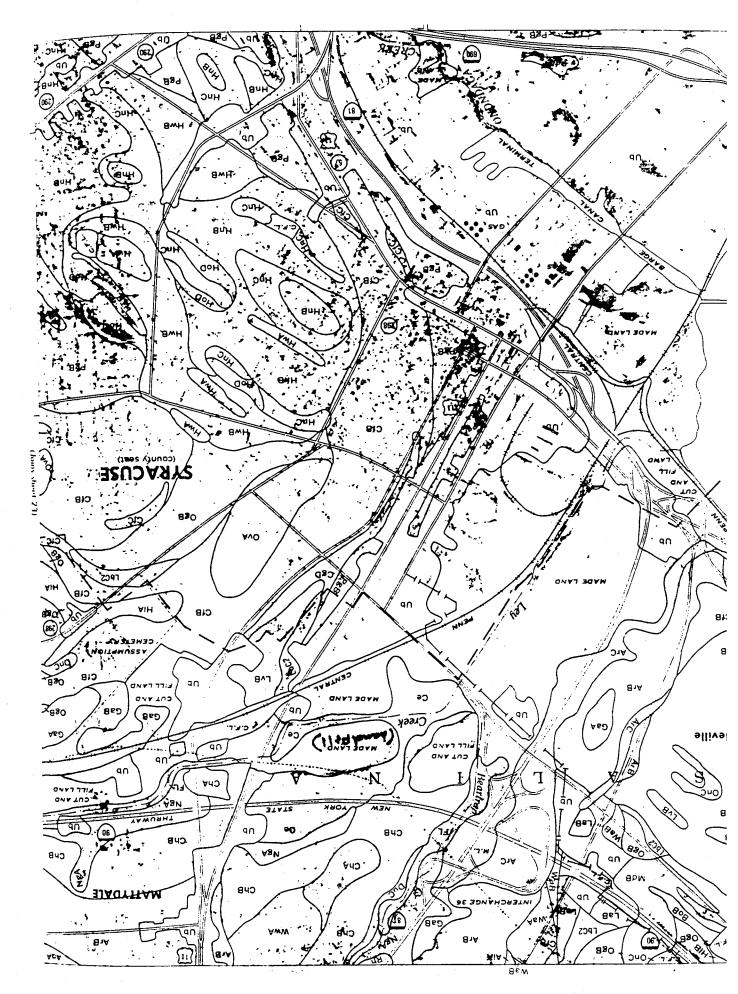
ments; slightly acid; clear, wavy boundary.

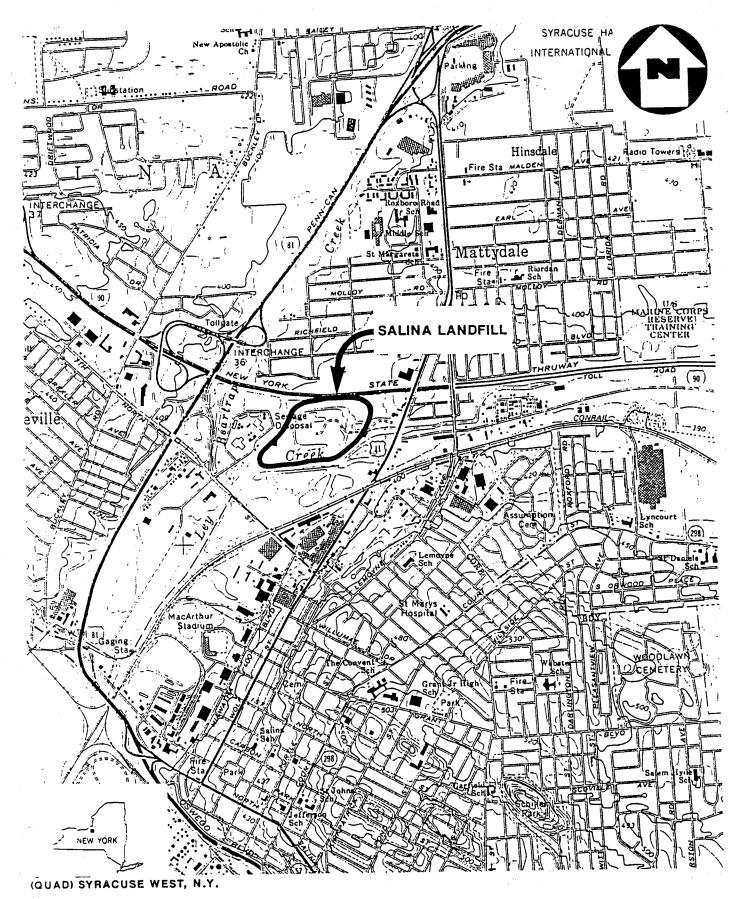
B&A-12 to 15 inches, reddish-brown (5YR 4/3) heavy sitted to 15 loam; moderate, coarse, prismatic structure parting to moderate, medium, subangular blocky; friable, slightly sticky; many slightly sticky; many roots; common pores; fingers to 3 inches apart of 1/6- to 1/4-inch-thick, brown (7.5) and 1/4- inch-thick, bro 4/4) silt coats, pinkish gray (7.5YR 7/2) dry, on vertical faces of prisms; reddish-gray (5YR 5/2) coarse silt coatings on blocky faces; patchy clay linings in larger pores in the B part of the horizon; 12 percent coarse fragments: neutral class many handars.

coarse fragments; neutral; clear, wavy boundary, last 15 to 31 inches, reddish-brown (5YR 4/3) silty class block loam; strong, medium and coarse, angular block structure; firm, sticky; dark reddish-gray (5 YR and clay films on pad feature for the structure). clay films on ped faces; common roots; few fine and medium pores: common medium pores: medium pores; common medium and coarse port

that have continuous clay linings; 10 percent coalse fragments; slightly acid; clear, wavy boundary, sliv.

B22t—31 to 36 inches, reddish-brown (5YR 4/3) gravelly sliv. clay loam: moderate coarse and slive blocks. clay loam; moderate, coarse, subangular blocks structure; firm, slightly sticky; reddish-gray (5)

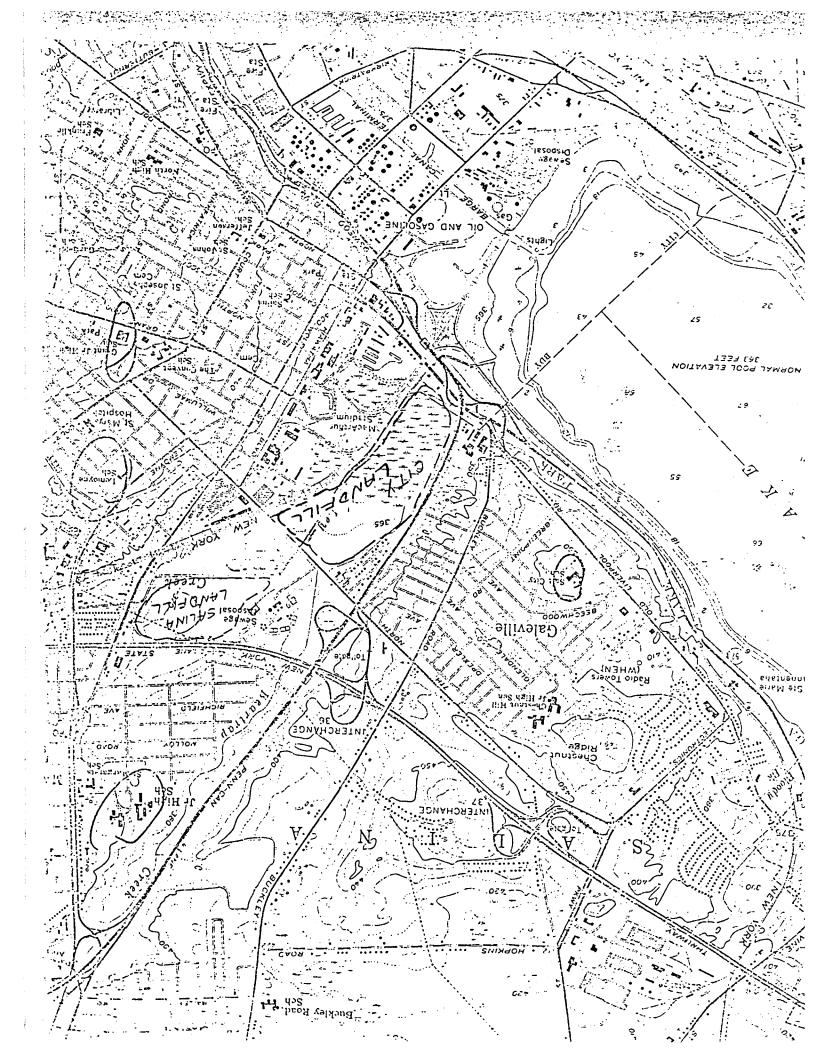




SALINA LANDFILL, SALINA, N.Y.

SCALE: 1" = 2000"





DRAFT

GRAPHICAL EXPOSURE MODELING SYSTEM

(GEMS)

USER'S GUIDE

Prepared for:

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES AND TOXIC SUBSTANCES
EXPOSURE EVALUATION DIVISION
Task No. 4

Contract No. 68016618

William Wood - Project Officer
Loren Hall - Task Manager

Prepared by:

GENERAL SOFTWARE CORPORATION 8401 Corporate Drive Landover, Maryland 20785

Submitted: June 25, 1984

MASTER AREA REFERENCE FILE (MARF) OF THE 1985 CENSUS

Source

The Master Area Reference File (MARF) is a proprietary product of Donnelly Marketing, Inc., a subsidiary of Dunn and Bradstreet, and is available only to EPA users and to contractors engaged in EPA projects.

Description

The complete corrected MARF of the 1980 Census, with geographic coordinates for small geographic areas, is installed for GEMS on a separate disk pack. It consists of four subfiles, one for each major census geographic region, and is available to users when that disk pack is mounted. The file has a variety of location identification information, including region, state, county, place, census tracts and enumeration districts or block groups (See Figure C-1 for illustrations). It also contains population count by race, the number of occupied and owner-occupied housing units, group quarters, and number of families for all the enumeration districts/block groups for the continental United States, Hawaii, and Alaska.

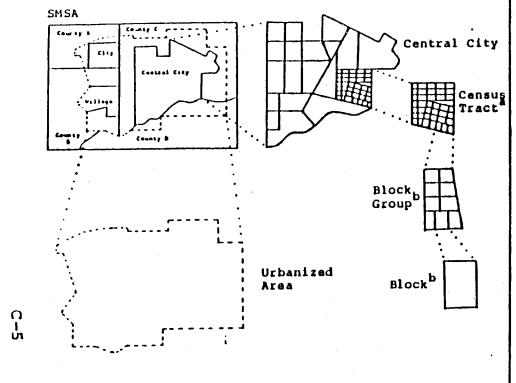
CEDPOP, a subset of the MARF of the 1980 Census, is accessible through GEMS. In addition to total population and household counts, the file includes geographic coordinates for the population—weighted centroid of each census block group or enumeration district (BG/ED) in the file.

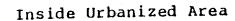
Use

The complete MARF 80 Census file, installed in GEMS on a separate disk, is expected to be used heavily by GEMS users to identify household and population by racial groups at any required geographic level. County aggregate populations have already been created from this file.

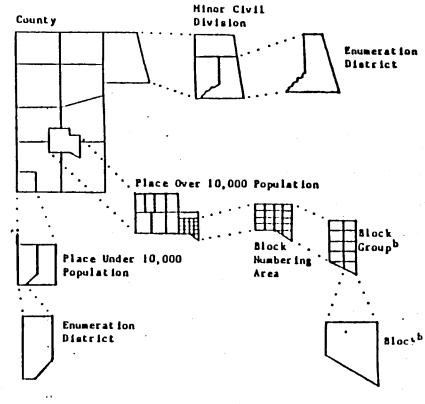
CEDPOP was interfaced with ATM80 in GEMS to provide estimates of population sizes exposed to concentrations of airborne chemicals around a release site and with BOXMCD80 to provide population estimates within area source regions. The population centroids are identified, and populations are accumulated in sectors (typically the sixteen wind direction sectors) surrounding the center point within a user-specified number of radial distances out from the center.

The CEDPOP file also is accessed by CENSUS DATA and RADII-5 procedures under the GEODATA HANDLING operation in GEMS. CENSUS DATA accumulates population and housing counts by up to ten user-specified radial distances and from one-to-sixteen sectors. The RADII-5 program tabulates the same information (except housing counts) and displays the centroid locations for user-specified circular distances around a center point.





^aThe entire SMSA is subdivided into census tracts.



Outside Urbanized Area

Figure C-1. Geographic Hierarchy Inside and Outside Urbanized Areas (UA's)

bBlocks and block groups do not have symbolized boundaries as do the other areas, but are identified by number.

MENU: Process Census Data by Latitude and Longitude

ref	par-name	parameter description	value	index
1.	LAT	latitude (DDMMSS or degree)	430522	
2.	LON	longitude (DDDMM5S or degree)	760853	
3.	RINGDIST	ring distances in km	6.4	(6)
4.	NSECTORS	number of sectors	1	
5.	DATASET	Name of the output dataset	NYT1	
6.	TAG	tag field of the output dataset	*	

Enter one or more combinations of: reference or parameter name and value(s) [ref1 value1, ref2 value2, ...] or a command: HELP,NEXT,BACK,END,CLEAR,EXIT

Data List of Dataset: NYT1 Number of Records = 6

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Population Data Old Salina LF.

Uncontrolled Hazardous Wasth Site Ranking System

A Users Manual (HW-10)

Originally Published in the July 16, 1982, Federal Fingister

United States
Environmental Protection
Agency

Dangerous Properties of Industrial Waterials

Sixth Edition

N. IRVING SAX

Assisted by:

Benjamin Feiner/Joseph J. Fitzgerald/Thomas J. Haley/Elizabeth K. Weisburger

TABLE 8-3 Hydraulic conductivity

	Hydraulic (Hydraulic Conductivity		
<u>Material</u>	cm/sec	ft/day		
Clay				
Unweathered High plastic (CH) Low plastic (CL) Silt High plastic (MH)	10-8-10-9 10-7-10-9 10-6-10-8	10 ⁻³ -10 ⁻⁴ 10 ⁻² -10 ⁻⁴ 10 ⁻¹ -10 ⁻³		
Low plastic (ML)	10-4-10-7	10 -10-2		
Sand (SP) Well sorted, fine Well sorted, medium Well sorted, coarse (SW) Poorly sorted, fine Poorly sorted, medium Poorly sorted, coarse Silty sand (SM) Clayey sand (SC)	10 ⁻¹ -10 ⁻⁵ 10 ⁻³ -10 ⁻⁵ 10 ⁻² -10 ⁻⁴ 10 ⁻¹ -10 ⁻³ 10 ⁻¹ -10 ⁻³ 10 ⁻¹ -10 ⁻³ 10 ⁻¹ -10 ⁻³ 10 ⁻⁴ -10 ⁻⁶ 10 ⁻⁵ -10 ⁻⁷	$ \begin{array}{r} 10^{-4} - 1 \\ 10^{-2} - 1 \\ 10^{-3} - 10^{-1} \\ 10^{-4} - 10^{-2} \\ 10^{-4} - 10^{-1} \\ 10^{-3} - 10^{-1} \\ 10^{-4} - 10^{-2} \\ 10^{-4} - 10^{-2} \\ 10^{-1} - 10^{-2} \\ 1 - 10^{-2} \end{array} $		
(GP) Well sorted (GW) Poorly sorted Silty gravel (GM) Clayey gravel (GC)	10 ⁻³ -1 10 ⁻³ -1 10 ⁻² -1 10 ⁻² -1 10 ⁻³ -10 ⁻⁶ 10 ⁻⁴ -10 ⁻⁷	10 ⁻⁸ -10 ⁻⁵ 10 ⁻⁸ -10 ⁻⁵ 10 ⁻⁷ -10 ⁻⁵ 10 ⁻⁷ -10 ⁻⁵ 10 ⁻² -10 ⁻¹ 10 -10 ⁻²		

					Unified Soil Classification System	Identification Procedures
		\top			Typical Names	
More than half of matenal is <i>larger</i> than two 200 sieve size. The no. 200 sieve size is about the smallest particle visible to the naked eye.	esise		avels	GW	Well-graded gravels. gravel- sand mixtures, little or no fines	Wide range in grain size and substantial amounts of all intermediate particle sizes.
	Gravels More than half of the coarse fraction is larger than no. 4 sieve size	sieve size.)	Clean gravels (little or no fines)	GP	Poorly graded gravels or gravel-sand mixtures, little or no fines	Predominantly one size or a range of sizes with some intermediate sizes missing.
		as equivalent to	Gravels with fines (appreciable amount of fines)	GM	Silty gravels, gravel- sand-silt mixtures.	Nonplastic fines or fines with low plasticity. (For identification procedures, see ML in Fig. 7–8.)
				Gravels w fines (app ciable am of fines)	GC	Clayey gravels, gravel- sand-clay mixtures.
	Sands More than half of the coarse fraction is smaller than no. 4 sieve size.	More than half of the coarse fraction is smaller than no. 4 sieve size.	sands r :s)	sw	Well-graded sands, gravelly sands, little or no fines.	Wide range in grain size and substantial amounts of all intermediate particle sizes.
			Clean sands (little or no fines)	SP	Poorly graded sands or gravelly sands. little or no fines.	Predominantly one size or a range of sizes with some intermediate sizes missing.
			vith ppre- mount	SM	Silty sands, silt-sand mixtures.	Nonplastic fines or fines with low plasticity. (For identification procedures, see ML in Fig. 7–8.)
	Mor is sr	(For v	Sands with fines (appre-ciable amount of fines)	sc	Clayey sands, sand-clay mixtures.	Plastic fines. (For identification procedures, see CL in Fig 7-8.)

				ldentificati smaller th	ion Procedures on fra an no. 40 sieve size	ction
				Dry Strength (crushing characteristics)	Dilatancy (reaction to shaking)	Toughness (molding test)
	S. 10	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.	None to slight	Quick to medium	None
	Silts and Clays Liquid limit is less than 50	CL	Inorganic clays of low to medium plasticity, gravelly clays, silty clays, sandy clays, lean clays.	Medium to high	None to very slow	Medium
		OL	Organic silts, and organic silty clays of low plasticity.	Slight to medium	Slow	Slight. feels weak and spongy
	. 0	мн	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.	Slight to medium	Slow) to- medium	Slight to medium
	Silts and Clays Liquid limit is greater than 50	СН	Inorganic clays of high plasticity, fat clays.	High to very high	None	High
	ა ე ფ	ОН	Organic clays of medium to high plasticity, organic silt.	Medium to high	None to very slow	Slight to med. spongy
nly Organi	c Soils	Pt	Peat and other highly organic soils.	spong	ly identified by color, y feel. & frequently by texture.	odor. y fi-

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CHRONOLOGY OF INVESTIGATION AND TESTING

Henry G. Williams Commissioner

By Onondaga County Health Department and NYS Department of Environmental Conservation

November, 1985

Contract signed between DEC and Dunn Geoscience, Inc. to undertake hydrogeologic investigation of the Clay landfill for \$70,000 under special funds for monitoring a limited number of landfills statewide. Clay landfill was selected because it was a large municipal landfill closed prior to recent strict closure requirements and nearby residential wells.

February 1986

Nine monitoring wells installed for Dunn Geoscience work.

Friday, March 7, 1986

Newspaper story regarding possible pcb's-laden trash being dumped in area landfills.

Monday, March 10, 1986

DEC and County Health officials met to discuss situation and plan coordinated testing, if necessary. County Health took samples for testing of three residential wells in area and one surface sample. (Sampling #1).

Wednesday, March 12, 1986

County Health received tests results showing no detectable levels of pcb's in three residential wells; however, drainage ditch sample showed pcb's at 8.6 parts per billion. (Results of Sampling #1).

Thursday, March 13, 1986

DEC and County Health officials met and agreed to more extensive sampling program.

Saturday, March 15, 1986

Meeting with residents at Clay Town Hall.

Monday, March 17, 1986

DEC and County Health began sampling at Clay landfill. Samples were taken of surface waters and sediments around the landfill. Samples were also taken from three existing collection sumps on the perimeter of the landfill. to be tested for pcb's only.(Sampling #2)*

Also, March 17, 1986

DEC met with General Motors representatives who supplied copies of their Industrial Chemical Survey and Community Right-to-Know forms. GM confirmed that pcb-contaminated trash from floor sweepings and cleanup debris was disposed of with their general trash. This information was not included in the ICS or Community Right-to-Know forms. DEC requested that GM submit a list of haulers used for their general trash.

Tuesday, March 18, 1986

DEC's contract firm of Dunn Geoscience began the sampling work of the nine monitoring wells around Clay landfill. Samples were also taken of leachate seeps, soil, and nearby surface water. Samples will be tested for the 129 priority pollutants including pcb's. (Sampling #3).

Wednesday, March 19, 1986

Sampling of Dunn Geoscience continued and was concluded.

DEC met with A&T Haulers representative who confirmed that they had hauled general trash for General Motors since 1972 and that trash was hauled to the Brighton, Salina, Tripoli, and Clay landfills.

Thursday, March 20, 1986

DEC and the county Health Department took samples at the Clay, Salina, and Brighton landfills. DEC took samples from five of the monitoring wells at Clay, six samples from Brighton and five from Salina. (Sampling #4a). County Health took two samples from Salina and one from Brighton. (Sampling #4b). DEC's samples went to DEC laboratory for analysis. County Health samples went to contract lab. All samples to be tested for pcb's only.

Monday, March 24, 1986

Some results of sampling #2 were received. Four surface water samples showed no detectable levels of pcb's.

County Health had completed testing of 44 residential wells with none showing detectable levels of pcb's.

*Note: Additional samples taken of sumps alone to be tested by DEC contract lab for 129 priority pollutants. Results not yet received.

Friday, March 25, 1986

The complete results of sampling #2 were received on the Clay landfill. (Results of Sampling #2).

Of the six soil samples, only one showed the presence of pcb's. The sample from a leachate outbreak on the southeast corner of the landfill registered 640 parts per billion. DEC requires soil to be cleaned to a level of 10,000 parts per billion.

Three samples from the three leachate sumps showed only trace amounts of pcb's ranging from less than .1ppb to .2ppb.

Results were also received by the County Health Department on sampling 4b at the Salina and Brighton landfills. The two Salina samples were negative while the Brighton landfill showed 1800 parts per billion. (Results of Sampling #4b).

Monday, March 31 - Friday, April 18, 1986

- County Health has undertaken health survey.
- DEC has investigated status of C&D site permit. Wetlands area has been defined by Wildlife staff.
- Arrangements have been made for fish sampling to take place in Oneida River.
- DEC received on Thursday, April 3, 1986, additional information as requested from General Motors. Information under review by legal staff.
- Tripoli landfill tests results were received showing no presence of pcb's. (April 9, 1986).
- Regional DEC has recommended that the Clay, Brighton, and Salina landfills be placed on the State's Registry of Inactive Hazardous Waste Sites enabling further investigation under the Superfund process.
- Dunn Geoscience verbal report received showing no detectable levels of pcb's in nine monitoring wells.

Friday, April 18, 1986

- Verbal results received by Regional DEC from DEC Laboratory on Sampling #4a.

 The five samples taken from five different monitoring wells at the Clay Landfill showed no detectable pcb's at or above the detection level of 0.25 parts per billion. (Results of sampling #4a)
- At the Salina landfill, the 3 water samples showed no detectable level of pcb's; while two soil samples showed pcb's at levels of 3,607 ppb and 1,406 ppb.
- At the Brighton landfill, two water samples and three soil samples showed negative results. One soil sample registered 2,259 parts per billion.

The only sampling yet to be received is Sampling #3 on the 129 priority pollutants at the Clay Landfill done by Dunn Geoscience for DEC.

Verbal results on Sampling #4a will need to be confirmed in a written report yet to be received.

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April 18, 1986

Contact person: Sue Miller

428-4497

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ZARDOUS WASTE DISPOSAL SITE	2. DESCRIPTION OF HAZARDOUS WASTES DEPOSITED AT THIS LOCATION (SEE INSTRUCTIONS)	3. EPA WASTE COOE	4. WASTE DISPOSED OF QUANTITY OF WASTE (TONS)	LOCID 3	SOLID	DRUMES	S. WASTE. DISPOSAL DATES	8. TRANSPORTER OF HAZARDOUS WASTE (SEE INSTRUCTIONS)
On site Landfill	Paint Sludge	D002	No Record		×	x	Oct. 1952 Dec. 1961	N/A
Town of Salina Landfill	Paint Sludge	D002	540		×	×	Jan. 1962 Dec. 1967	Refuse Div. Contract Trucking Corp.
Town of Salina Onondaga County Transporter's	Paint Sludge	D002	. 120		×	+ : x	Jan. 1968 Feb. 1969	J. Brillo Co. Coon Hill Rd. Skaneateles, N.Y.
Landfill Town of Salina Landfill	Paint Sludge	D002	100			x x	Mar. 1969 Dec. 1969	J. Brillo Co. Coon Hill Rd. Skaneateles, N.Y.
Route 11 Town of Salina Onondaga County	Paint Sludge	D002	480	-	-	x	Jan. 1970 X Dec. 1973	Mathieson Trash Service- Pleasant Valley Rd., Marcellus. N.Y.
Merschfelter Landfill Town of Onondaga Onondaga County				-				MATCE ITUS.
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On Site Incineration	Waste Thinner, Paint & Reducer	F003	170	х			July 1968 June 1972	N/A
Town of Salina Landfull Route 11 Town of Salina Onondaga County	Waste Thinner Paint & Reducer	F003	22	x		×	July 1972 Dec. 1973	Refuse Div. Contract Trucking Corp.
R.D.O. Inc. Canal Rd. Canastota, N.Y. Reclaimed & Returned	Dirty Thinner	F003	N/A	x			Jan. 1974 Dec. 1976	R.D.O. Inc. Canal Rd. Canastota, N.Y.
Northeast Solite Corp. Kings Highway Mt. Marion, N.Y.	Waste Thinner, Paint & Reducer	F003	144	х		-	Jan. 1978 Dec. 1979	Haz-O-Waste Canal Rd. Wampsville, N.Y.
Industrial Environmental Systems. P.O. Box 437 Mt. Marion, N.Y. Heat Recovery Incineration	Waste Thinner, Paint	F003	78	x			Jan. 1980 Dec. 1980	Sealand Restoration
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fown of Salina Landfill Route 11 Town of Salina	Buffing Sludge	N/A	3630 Tons/Yr.	x			Jan. 1962 Dec. 1972	Refuse Div. Contract Trucking Corp.
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Syracuse Plant



April 3, 1986

Mr. Larry Gross Region 7, Environmental Quality Office New York State Department of Environmental Conservation 100 Elwood Davis Road North Syracuse, NY 13212

Subject: Reply to NYDEC Questions From Our March 17, 1986 Meeting

Dear Mr. Gross:

During our meeting on March 17, 1986, we agreed to provide you with additional information regarding PCB use and disposal practices at the Fisher Guide Syracuse plant. The following are your questions as I understand them with my replies and attached documentation.

Why was hydraulic oil containing PCB omitted from the Industrial 1. Chemical Survey and the Hazardous Waste Disposal Questionnaire (generator section)?

Answer:

- The Industrial Chemical Survey was completed in July 1985. a. Because Part III instructions were unclear, Bob McCarthy and Jon Pulaski of the NYDEC were contacted. Per Jon Pulaski's direction, we were instructed "not to include PCB contaminated materials. List only purchased chemicals that we have in the plant."
- According to the NYDEC instruction sheet for the Hazardous b. Waste Disposal Questionnaire, we were to include hazardous waste disposal from 1/1/52 through 12/31/81. At the time the 1982 Annual Generator Report was submitted, there were questions raised whether the State of New York had the legal authority to regulate PCBs as hazardous waste. Our Legal Staff had discussions with Mr. Robert H. Feller, counsel to the Division of Solid Waste, NYDEC. Subsequent Annual Generator Reports for 1983-1985 list waste PCB oil and debris. The questionnaire was completed using existing plant records and, therefore, reflect what was previously submitted in plant reports to the NYDEC and EPA.

2. Who handled our general trash?

Answer: Our general trash was transported to the Onondaga County Solid Waste Authority by A & T Haulers since 1979 according to existing records (Attachment B1). Internal correspondence (Attachment B2) dated May 19, 1971, indicates that Leaseway Haulers, Inc. was responsible for general trash consisting of garbage, cardboard, all scrap plastic, and floor dry. This material was taken to the Town of Salina Dump by permit. The following industrial trash haulers handled our general trash during the indicated time periods: Leaseway Haulers, 1/1/73 through 5/31/73; A & T Haulers, 6/1/73 through 5/31/74; and Matthieson Trash Service, 1/1/73 through 12/31/73 (Attachment B3). In our letter to Mr. Larry Gross, NYDEC, dated March 31, 1976, A & T Haulers is again identified as our general trash hauler for 1975 (Attachment B4).

3. Provide copies of Annual Generator Reports 1982 through 1985.

Answer: Reports are attached (Attachments C1 through C4).

4. Provide Fly Ash Analysis.

Answer: Attachment D is a recent analysis report for fly ash and should be considered typical.

5. Provide Paint Sludge Analysis.

Answer: Attachment E is a recent analysis report for paint sludge and should be considered typical of Paint Room non-PCB sludge.

6. Provide Industrial Waste Treatment Sludge Analysis.

Answer: Attachments F1 and F2 represent this sludge for the dates indicated on the reports.

7. Provide PCB Analysis for Hydraulic Oil.

Answer: Hydraulic oil from molders tested 12/79 shows a low of 40 P.P.M., average at 148 P.P.M. and a high of 234 P.P.M. Attachments G1 through G3 document these figures. We are currently at less than 20 P.P.M. in all reservoirs and have been for over two years.

8. Calculate or estimate mass flow PCB from 1979 through 1983 that left our plant.

Answer: We know of no other way of improving upon the estimates indicated in the EPA complaint which estimated that 87,000 kg of contaminated trash went to our local landfills from 1979 to mid-1983. Based on this figure, we calculate that 10 lbs. to 30 lbs. maximum of of PCBs were sent.

Mr. L. Gross April 3, 1986 Page 3

Please do not hesitate to call if you have any questions.

Very truly yours,

F. J. Giacobbi Plant Engineer (315) 432-5207

/dr

Attachments

cc: R. Link

APR 3 0 1984 Hetbert TSCA-PCB-84-C2C3

General Motors Corporation

April 26, 1984

Gregory T. Halbert, Esquire
Waste & Toxic Substances Branch
Office of Regional Counsel
U.S. EPA - Region II
26 Federal Plaza
New York, NY 10278

Dear Mr. Halbert:

Re: General Motors Corporation

Docket No. II TSCA-PCB-84-0202

Enclosed are true and correct copies of Respondent's Appearance, Answer, and Request For Hearing.

An informal settlement conference is requested.

Very truly yours,

William D. Brusstar Jr. Attorney - Legal Staff

Counsel For Respondent

/jt encs.